5

From:
Sent: Wednesday, 1 April 2009 12:03
To: TARCON
Subject: FW:

Attachments: 20090401105425479.pdf

20090401105425479.pdf (2 MB)

Good morning all
Please find attached tco application for table and floor lamps on behalf of mercator lighting Thanking you s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

-----Original Message-----
From: s47F
Sent: Wednesday, 1 April 2009 11:54 AM
To:
Subject:

This E-mail was sent from "RNPC25519" (MP 3500/LD335).

Scan Date: 01.04.2009 10:54:25 (+1000)
Queries to:

1 APR 09 12:21

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

Hours [ ] Minutes [ ]

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name	Australian Business Number (A.B.N.)
Mercator Lighting	23005946958
Postal Address	
P.O. Box 66 Dallas. Victoria. 3047	
Applicant's Reference	**Owner Code *(if applicable)***
Mercator	23005946958
Company Contact	**Position Held**
s47F [redacted]	s47F [redacted]
Telephone Number	**Facsimile Number** / **E-mail Address**
s47F [redacted]	0393026262

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above")	A.B.N.
AS Above	
Postal Address	
Importer's Reference	**Owner Code**
Company Contact	**Position Held**
Telephone Number	**Facsimile Number**
	1 APR 09 11:21

AGENT/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
Consolidated Cargo & Customs	48758123229
Postal Address	
P.O. Box 223, Footscray, Victoria, 3011	
Agent's Reference	**Agency Contact**
Mercator	s47F
Telephone Number	**Facsimile Number**	**E-mail Address**
s47F	0393262600	s47F@concargo.com.au

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).

(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.

(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
- (ii) described in terms of their intended end use; or
- (iii) declared by the regulations to be goods to which a TCO should not be extended.

Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.

(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 Describe the goods

Table and Floor Lamps, NON-Ceramic
With or Without
a) Shade
b) Globe

ILLUSTRATIVE MATERIAL

2 Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.

TARIFF CLASSIFICATION

3 Identify the tariff classification (to 8 figure subheading level) 9405 2000

Identify the General Duty rate 05 %

If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.

☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 Describe ALL uses (including design uses) to which the goods can be put.

Lighting up Specific Area

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 **Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.**

NO Australian Producer Found.

6 **Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.**

Internet Sites attached

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

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DECLARATION

I, s47F | Position Held s47F

Company (if applicable) Consolidated Cargo & Customs Services

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

s47F

Signature of Applicant/Agent/Broker | Date 1-4-09

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

- posting it by prepaid post to the
  National Manager, Tariff Branch
  Australian Customs Service
  Customs House
  5 Constitution Avenue
  CANBERRA ACT 2601

  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

  or
- e-mailing it to tarcon@customs.gov.au.

25

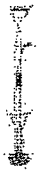
Products

- Pendants
- Spotlights
- **Table and Floor**
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

TABLE AND FLOOR

ALLEGRA A41022

Show family



ALLEGRA A41122

Show family

AVALON A65014

BASIK A12711

BELLA A21012

Show family

BELLA A21022

Show family

BEN 32310

Show family

CHINTA A57011

Show family

12 3 4 5 > >>

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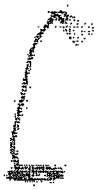
24

Products

- Pendants
- Spotlights
- **Table and Floor**
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

TABLE AND FLOOR



COBRA A22011

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COBRA A22022

Show family

COMMANDER A15011

Show family

COMMANDER A15012

Show family

CORONA A42011

CREST 21240

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CREST 22240

Show family

CREST 22242

Show family

« ‹ 1 2 3 4 5 › »

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Products

- Pendants
- Spotlights
- **Table and Floor**
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

TABLE AND FLOOR

CROWN 21249

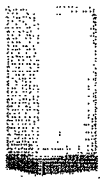
Show family

CROWN 22249

Show family

CROWN 22250

Show family



CUBE A44011

DENDY A80012

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DENDY A80022

Show family

FELIX A36612

FOCUS A68021

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1 2 34 5

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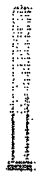
Products

- Pendants
- Spotlights
- **Table and Floor**
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

TABLE AND FLOOR

GENESIS A27112

Show family



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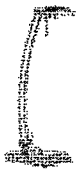
GLEE 32336



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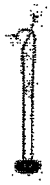
KRYPTON A12522

Show family

LINCOLN A76611



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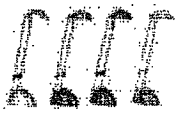

LUDO 21239

Show family

2 3 45 6

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21

Products

Pendants
Spotlights
Table and Floor
Bases & Shades
Eco-lite Energy Smart Lighting
Wall Fixtures
Ceiling Fixtures
DIY
Outdoor
Ceiling Fans
Ceiling Fan Remotes
Ceiling Fan Lights

TABLE AND FLOOR

MARINA 31316

Show family

MARINA 32316

Show family

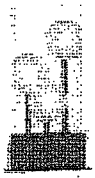
MECCA A25112

Show family

MECCA A25125

Show family

MERLO A37011



MIA A16313

MONDO A46011

NEXUS A11201

Show family

3 4 56 7

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20

Products

- Pendants
- Spotlights
- **Table and Floor**
- Bases & Shades
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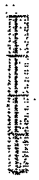
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

TABLE AND FLOOR

OSAKA A64011

Show family



OSAKA A64024

Show family

OSLO A49011

PARO A38011

POSH A61011

Show family

POSH A61012

Show family

POSH A61022

Show family

POSH A61041

Show family

4 5 67 8

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Products

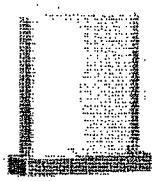
Pendants
Spotlights
Table and Floor
Bases & Shades
Eco-lite Energy Smart Lighting
Wall Fixtures
Ceiling Fixtures
DIY
Outdoor
Ceiling Fans
Ceiling Fan Remotes
Ceiling Fan Lights

TABLE AND FLOOR

PRONTO A15022

Show family

PROVENCE A13821



SARTI A482511BC

SAVOY A46221

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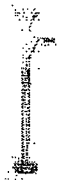

SAVOY A46222

Show family

SKOPE 21259

SOHO A42311

TESSA A39011

|< < 4 5 6 **7** 8 > >|

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18

Products

- Pendants
- Spotlights
- **Table and Floor**
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
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- DIY
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- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

TABLE AND FLOOR

TESSA A39021

Show family

TIBA 23348

Show family

TIBA 23350

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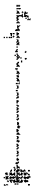

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TRUMPET A71011

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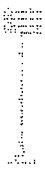

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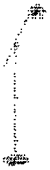

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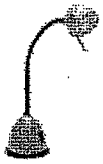

ZOE A13611

4 5 6 7 8

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17

Google light fittings Search Advanced Search Preferences

Web Results 1 - 10 of about 110,000,000 for light fittings. (0.26 seconds)

Wholesale Priced Lighting Sponsored Link
www.mattblatt.com.au We Have Pendant, Floor, Table Lamps and More. Buy Online or In-store.

Light fittings and lightbulbs — Easylighting.co.uk
Light fittings and lightbulbs from Easy Lighting, UK supplier of great **light fittings** of all sorts.
www.easy**light**ing.co.uk/ - 28k - Cached - Similar pages

Light Fittings - Efficient **Light**
Light Fittings,A wide range of **light fittings** that will accept energy saving lamps.,A wide range of **light fittings** that will accept energy saving lamps.
www.efficient**light**.co.uk/store/pc/viewcategories.asp?idCategory=10 - 40k - Cached - Similar pages

Welcome to Lyco Direct - 1000s of **Light** Bulbs & **Fittings** - Energy ...
Lyco - Your single source for money-saving lighting solutions and all the health, safety and workplace maintenance products you could ever need - all ...
www.lyco.co.uk/ - 69k - Cached - Similar pages

[PDF] Asbestos Essentials a5: Cleaning **light fittings** attached to ...
File Format: PDF/Adobe Acrobat - View as HTML
contaminated **light fitting** attached to AIB, eg to change a bulb or tube. .... Cleaning **light fittings** attached to asbestos insulating board (AIB) ...
www.hse.gov.uk/pubns/guidance/a5.pdf - Similar pages

Luxury Lighting & Electrical Supplies
Place trendy types of **Light Fittings** inside the living areas and majestic ... With a comprehensive selection of luscious **Light Fittings** any room in the ...
www.luxury**light**ing.co.uk/ - 67k - Cached - Similar pages

Interior **Light Fittings**
The best source of information for Interior **Light Fittings** products and services.
www.infolink.com.au/t/Interior-**Light-Fittings** - 73k - Cached - Similar pages

LIDOKOV - Interior **Light Fittings**, Switchboard Locks | Products ...
The company LIDOKOV is a manufacturer of interior **light fittings** which are exported all over the world. The **light fittings** are divided into ceiling,desk, ...
www.czechtradeoffices.com/en/sweden/products-services/lidokov-interior-**light-fittings**-switchboard-locks/ - 16k - Cached - Similar pages

Light Fittings Lighting Fixtures Bangalore - Buy **light fittings** ...
Light up your home in style, for buying **light fittings**, lighting fixtures in Bangalore always come to Adithya Lamps, a leading **light** décor showroom at the ...

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Install & Repair all **Light Fittings**
Call for a Quote 0415 556 247
brownelectric.yodelaustralia.com.au

Xsstock - Buy & Sell *
Products for Building & Renovation
Home & Garden, Office & Equipment
www.xsstock.com.au
Victoria

The Lighting Specialists *
Quality Lighting Solutions
Quickly & Easily Find Local Experts
HomeImprovementPages.com.au/**Lights**

Light fittings
Elegant and efficient solutions
Try the Italian high quality style!
www.fabbian.com

Local Lighting Stores *
Ceiling Lighting, Pendants, Modern & Outdoor Lighting in Melbourne
www.FiveKings.com.au
Victoria

Lighting Products *
Thousands of lighting products for Retail, Trade & Wholesale
www.an**light**ing.com.au

Energy Efficient Lighting *
Your one stop shop for energy efficient lighting!
www.environmentshop.com.au

Electrical Accesories *
Supplies **Fittings** Lighting Conduit
Huge Stock, Manuf for over 50 Years
www.ampere.com.au
Melbourne, VIC

More Sponsored Links »

All marked * are imports or buy from imports.

www.adithyalamps.com/ - 5k - Cached - Similar pages

LIGHT FITTINGS | alvaraalto.fi
Nevertheless, Alvar Aalto always endeavoured to design buildings right down to the smallest details – including the **light fittings**. ...
www.alvaraalto.fi/alvar/design/**light**/index.htm - 2k - Cached - Similar pages

Dedicated energy saving **light fittings** / Energy saving **fittings ...**
Aurora Wall Washer - AUR 0734/LE. Dedicated energy saving **light fittings**. Dalby Low Energy Bulkhead. Dedicated energy saving **light fittings ...**
www.energysavingtrust.org.uk/Compare-and-buy-products/Energy-saving-**fittings**/Dedicated-energy-saving-**light-fittings** - 32k - Cached - Similar pages

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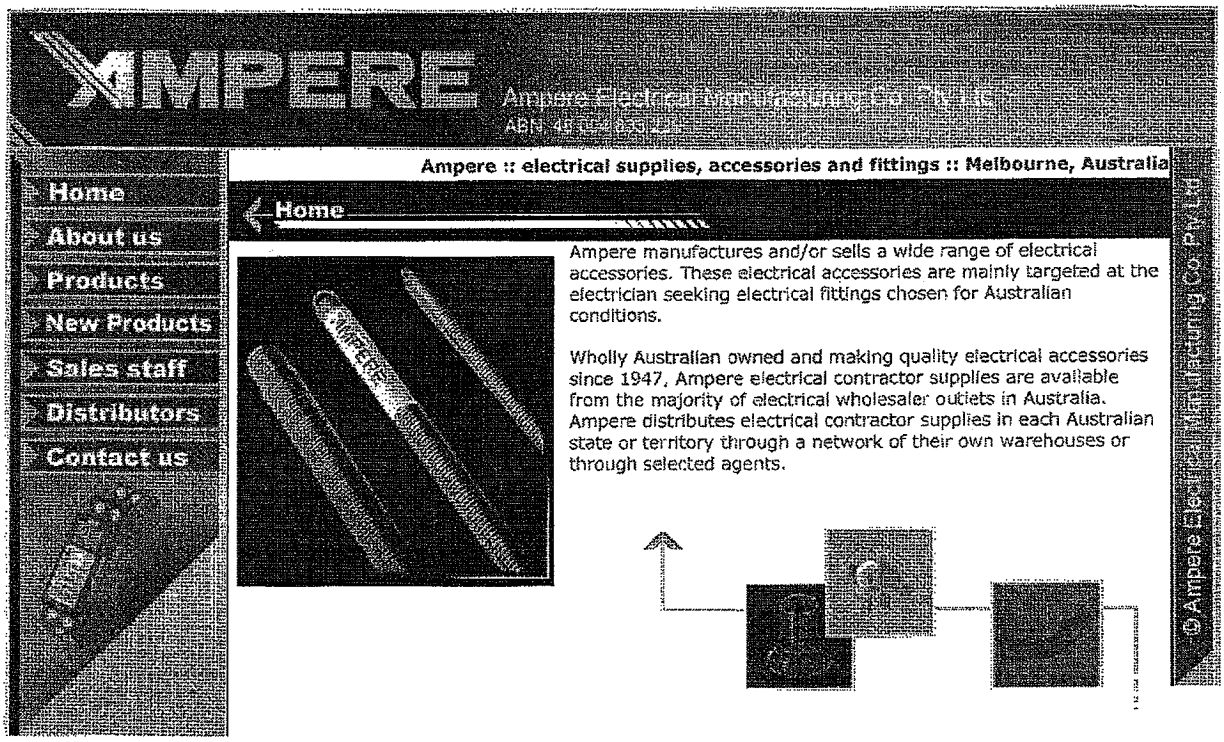
15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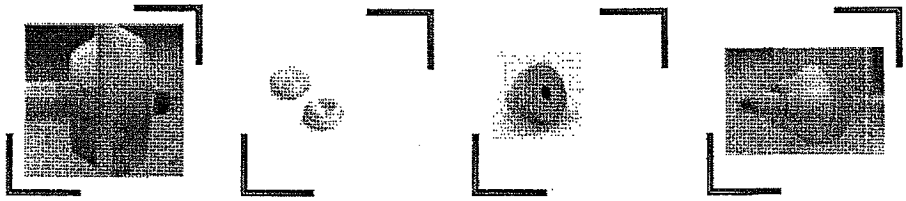
QUALITY ASSURED COMPANY ISO 9001

New & Featured Products



Klikseal Flexiseal Rutaseal Light Rutaseal

Don't Produce Complete Light Fittings

The electrical accessory & fittings range includes:

Lighting Products that include battenholders and lampholders.
Cable holding and protection products that include plastic conduit bushes and stops and nylon cable glands.
Connectors including strip connectors, single screw connectors and double screw connectors.
Cable and conduit securing products including Quiklip™ plastic cable clips and "Suregrip" metal half saddles.
Installation tools and accessories including jack chain and pull through springs.
Petzl head torches including the Tikkina and Tikka XP.
Hollow wall fasteners including Anka plugs and Wall loks.
Self-drilling screws in a variety of packs and sizes.
Solid wall fasteners including nail in plugs and masonry anchors.
Conduit plastic fittings including junction boxes and couplings.
PVC Insulation Tape Duct Tape and Self Fusing Tapes.
P&N cutting tools, drills, holesaws, spade bits and auger bits.
Safety equipment including safety spectacles.

In addition to the range of electrical products for the electrical contractor Ampere have a range of products designed to supply Original Equipment Manufacturers especially lighting manufacturers. Lighting equipment manufactures or other OEM's are invited to contact either the Ampere HO or the rep in their area for further information about electrical accessories designed specifically for their industries.

Electricians when calling at their wholesalers should specify Ampere electrical contractor supplies for great value products made/distributed by a wholly owned Australian company with a reputation for quality and value.

Our range of electrical accessories is constantly being upgraded and expanded. We attempt to upgrade this website every 3 to 4 months with releases of new electrical contractor supplies being shown on a separate "New Product" page. Click here to go to our New Products page & to view our Featured

Products.

Copies of Australian Approvals for electrical accessories requiring them are available from Ampere Head Office on request.

So remember when you want value electrical accessories always specify Ampere.

Electrical Accessory Supplier and Manufacturer since 1947

Home | About Us | Electrical Products | Sales Staff | Electrical Distributors | Contact Ampere | Sitemap

Web Design | Websites and Internet Marketing Solutions by Exa, Melbourne,Australia

Lighting Products | Electrical Connectors | Timing & Metering | Hollow Wall Fasteners | Aerosols & Cutting Compounds

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environment SHOP
Green Goods and Environmentally Sustainable Living

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- Gifts
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594 High Street,
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Australia 3071
Phone:+61 3 9480 1905
Fax: +61 3 9484 8591

Opening Hours:
Monday to Friday
10.00am to 5:00pm
Saturday
10.00am to 5.00pm

Buys from Importers

Energy Efficient Lighting

At **The Environment Shop**, we specialise in *Energy Efficient Lighting*. We stock a wide range of lamps and fittings for home, garden, office and retail and can source almost anything you can imagine. We have energy efficient alternatives for standard light globes, halogen downlights, outdoor lighting, garden lighting, older fluoro lamps and fittings including ballasts, industrial and factory lighting including mercury vapour alternatives, office lighting, display lighting and other specialist and detailed lighting challenges.

Our knowledgable staff can advise you on the options available to replace your current inefficient lighting, or help you with a lighting plan for your new home, extension or renovation, ensuring you the lowest running costs and lighting that is beautiful as well as practical.

Lighting Design

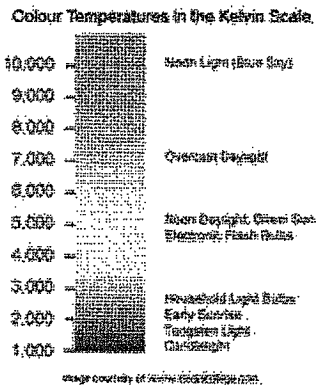
We offer a lighting design service for new buildings and renovations. Call us to organise an appointment, then bring in your house plans and ideas and we will talk through them and come up with a lighting solution that is practical, beautiful and most importantly, efficient. Shortly after the meeting we will email you a formal copy of the lighting plan. Typical pricing for a family home is $250, which also entitles you to a discount on light fittings bought through us.

Lighting Efficiency

The amount of energy used by lighting in Australian households is increasing, mainly due to larger house sizes and the proliferation of halogen downlights. It is possible to decrease the amount of energy used by your lights by up to 80% without affecting your light levels or quality. In fact many energy efficient lights provide better light coverage and quality than traditional lights.

Energy efficient lighting does not mean lower quality or less options. In fact, with modern technology such as LEDs, CFLs, micro fluoros such as the Megaman range and cold cathode fluorescent lamps, it is possible to light your home, garage, driveway, garden, shack, factory or shop in ways that we could only dream about in the past. Their low power consumption, lower operating temperatures, long operating life and versatile size and packaging means you can fit energy efficient lamps just about anywhere you need light, for practical purposes or for decoration. Low energy consumption also means it is much more viable to power lighting from renewable sources such as solar electricity, especially in areas that have no power available, such as sheds, gardens and remote areas.

FIRSTLY, SOME IMPORTANT DEFINITIONS



Watts – the wattage of a lamp indicates the rate at which it consumes electricity. A 12V lamp does not necessarily use less power than a 240V lamp, you have to compare the watts. E.g. a standard 12 Volt halogen lamp is 50 Watts, four of these in a room equals 200 Watts, not including losses in the transformers.

Lumens – are a measure of the luminous flux, basically the amount of light output by a lamp. You can directly compare the brightness of different types of lamps by comparing their output in lumens and you can get a good idea of the efficiency of a lamp by looking at the lumens/watt.

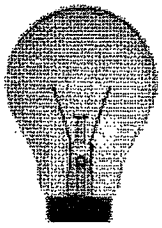
Colour Temperature – is an indicator of the colour of the white light emitted by a lamp. Incandescent lamps are usually very warm, with a slight yellow/orange tint to the light. Older style fluorescent lamps tended to be very cool with a bluish tinge that is very practical to work by not very flattering. Modern cool white fluoros are a nicer shade and are excellent for detailed work and high visibility. Modern fluoro lamps come in a range of colour temperatures. Warm white is best for living areas, cool white is best for work areas such as kitchens. Colour temperature is measured in Degrees Kelvin. Warm white is typically 3500k or less, cool white is 4000k-6500k and daylight is 6500k+

TYPES OF LAMPS AND THEIR ALTERNATIVES

INCANDESCENT LAMPS

Incandescent lamps or bulbs are the most commonly used type of lighting. They include the standard everyday light bulbs and halogen downlights. They are typically inexpensive to buy but their lifetime running costs are high.

An incandescent lamp works by running electricity through a piece of wire known as the filament until it heats up enough to emit light, literally glowing white hot. This means that a lot of the energy used is lost as heat rather than light, which is both inefficient and dangerous, with halogen downlights responsible for many house fires.



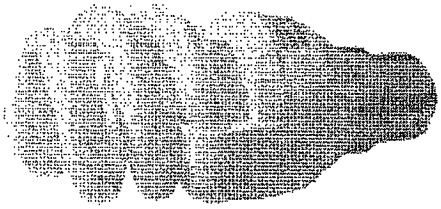
Standard light bulbs typically only last about a thousand hours and must be regularly replaced, which can be very costly, dangerous or just outright annoying in difficult situations such as high ceilings.

Incandescent lamps are most suitable for areas where lighting is used infrequently and for short periods, such as laundries and toilets and also harsh environments such as inside fridges and ovens. Even though they are inefficient users of energy, incandescent lamps can still be the most suitable choice for certain situations.

COMPACT FLUORESCENT LAMPS

The best alternative to the standard lightbulb in most situations is the compact fluorescent lamp, or CFL. First invented during the oil crisis of the 1970s, they have become commonly available in the last few years and provide very good quality light with up to 80% less energy use than an equivalent incandescent light bulb.

Most of our Compact Fluoro Lamps use spiral tubes, which provide a better distribution of light and are more compact and better looking than the more common linear tube lamps.



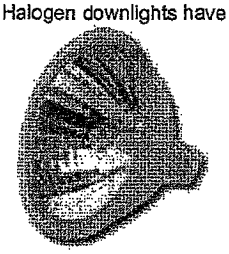
CFLs work by creating an arc that causes a phosphor on the inside of the tube to glow. There is some circuitry inside the base that controls the arc and stops the lamp flickering at switch on like in older fluoro lamps.

The main issue with compact fluorescents is the large amount of energy and materials that goes into manufacturing a lamp compared to an incandescent. This is known as embodied energy. The much longer typical lifetime of a CFL means that the greater embodied energy is more than made up for by the energy saved during use. The problem appears when the lamp doesnt last as long as it should.

The answer to this is to buy a good quality CFL and make sure it is used appropriately. CFLs dont like electronic switches such as sensor lights and most are not compatible with dimmers. We have high quality Dimmable CFLs available.

HALOGEN LAMPS

Halogen downlights have become very popular over recent years. They are usually low voltage systems, which many people have interpreted as low power. This is not true.



Because of the directional nature of the halogen downlights, more fittings are needed to light up a room compared to traditional light globe batten fittings. Typical downlights use a 50watt lamp and a transformer that can use as much as 10-15 watts more, for a total of up to 65 watts per fitting. With 6 fittings per room, this can add up to 390 watts. The same amount of light can be provided by two 20 watt CFL lamps in batten fittings. Count the number of halogen downlights in your house and add up the watts!

Halogens are also a fire hazard. The filaments in halogen lamps rise to about 2500°C and the bulb wall is about 500°C. We have measured the external temperature of our display halogen lamps at over 200°C in open air. The temperature at which paper will ignite without a spark or flame is around 230°C. This means that if insulation is pushed against the lamp fitting or rodents drag nesting materials around in your roof a fire can very easily occur.

We highly recommend products such as the Isolite downlight cover and the TENMAT Fire-rated downlight covers to protect your downlights. These products will also make your home more efficient by stopping the thermal chimney effect, caused by the hot air being drawn through the lamp fitting and into the roof space.

If you are renovating or designing a new home we highly recommend you do not install downlights, there are better ways of lighting a room. However, many people already have many downlight fittings in their home, or simply prefer the appearance.

We offer several efficient downlight alternatives.

HIGH EFFICIENCY AND LOW WATTAGE HALOGEN LAMPS

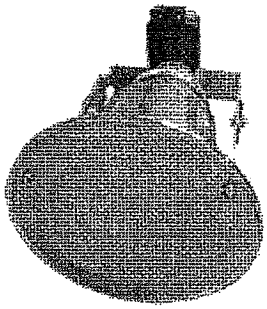
The simplest alternative is to replace your existing halogen lamps with

the more efficient IRC lamps. They are identical to standard halogens, except that the bulb has an Infra Red Coating which reflects some of the heat back into the filament.
As a result a 35 watt lamp can produce as much light as a 50 watt lamp. Lamp life is also extended to 4,000 hours. These lamps will save up to 30% of energy compared to a standard halogen.

It is also worth considering replacing some of your lamps with a lower wattage where light levels are too high. E.g. Replace a 50w standard halogen with a 20w IRC halogen.
This option is ideal for renters and others who cant afford or may not want to change their light fittings. However, the fire hazard still remains and much greater energy savings can be made with other options.

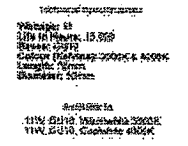
CFL DOWNLIGHT FITTINGS

The best alternative we have found for replacing standard 50W halogen downlights is a 15W Compact Fluoro lamp in a fitting specially designed for CFLs. Dont try putting CFLs into fittings designed for incandescent lamps, the reflector needs to be different to efficiently get the light out. We have a range of downlight fittings designed specifically for CFLs available in different sizes, shapes and finishes. You can see them here.



MICRO FLUOROS

Micro Fluoro Lamps use the same technology as Compact Fluoro Lamps but in a smaller package, designed to fit into a standard downlight lampholder. Most use the 240V GU10 two pin fitting the same as 240V halogen lamps. This means that you can directly replace any 240V halogens you have, but you will have to remove the transformer and add a GU10 adaptor to your existing fittings if you are replacing 12v halogens. As this is fixed wiring it requires a licensed electrician, but it is a simple job and shouldnt take them long.



The compact size means that the maximum wattage we have available at the moment is 11w, roughly equivalent to a 50w halogen. However the light quality is a little different. Halogen downlights tend to throw a very directed beam of light that is tightly focussed in the centre, while fluoro lamps tend to spread the light very evenly across a wide angle. An 11w micro fluoro lamp emits the same amount of light as a 50w halogen, however the light is spread more evenly and there are no bright spots to grab the eyes attention. This means that we perceive the light levels as being slightly lower than with halogens. If you want the same perceived light levels, you will need to install additional light fittings.

LEDs

LEDsor Light Emitting Diodes are semiconductor devices which emit light. They can potentially have a very long life (100,000 hours), offer reasonably high efficiencies and are compact, very rugged and highly controllable for both colour and brightness.

Currently, LEDs tend to be very focussed light sources and there are limitations on the power output levels, so they are not very practical for room lighting. (Yet!) However, they are ideal for display and task lighting, where the object to be lit is close to the light source. They make excellent workbench lamps in a kitchen or workshop and are ideal for lighting up works of art.

The range of fittings, colours and brightness levels available mean that LEDs have amazing potential for decorative lighting, whether in your garden, in a shop, around the house, for art or on your christmas tree.
Technology is moving very rapidly in this area, so it is hard for us to keep the website up to date. Please call or email us if you are interested in using LEDs, we can source a very wide range and always have several types in stock and on display.

SOLAR BUD LIGHTING

Recent technological advances have made it possible to use *Solar Powered LED* (Light Emitting Diodes) lights for exterior decorative lighting. The result is much lower power consumption, longer life and when powered with solar panels, zero green house gas emissions. The use of solar power also means total flexibility in locating the lights, as no 240-volt power is required.

Solar Bud Lighting (Solar Fairy Lights/Solar Christmas Lights) can add magical sparkle to trees and buildings in public places. However of all the forms of public lighting it is by far the most energy inefficient. Those little glowing bulbs are designed for long life rather than efficiency. They are very wasteful, producing much more heat than light. In fact, conventional bud lighting produces 2 or 3 lumens per watt compared to about 15 lumens per watt for standard incandescent lamps.

Advantages

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- Uses less energy. Can be as low as 5% of conventional bud lighting.
- No greenhouse gas emissions when run by solar power.
- Light can go anywhere. No 240 Volt power is required, so the light can go in the middle of parks, on buildings, anywhere.
- These *LED lights* can still be used where 240 Volt power is available, but have the major advantages of dramatically improved energy savings and long life.
- Last longer. *LED Lights* can last from 50,000 to 100,000 hours.
- The white *LED Lights* create clean attractive light similar to starlight.
- Flexibility, the lights can be used on trees, to profile buildings or provide lighting effects with flashing, pulsing or fading lights of any colour.

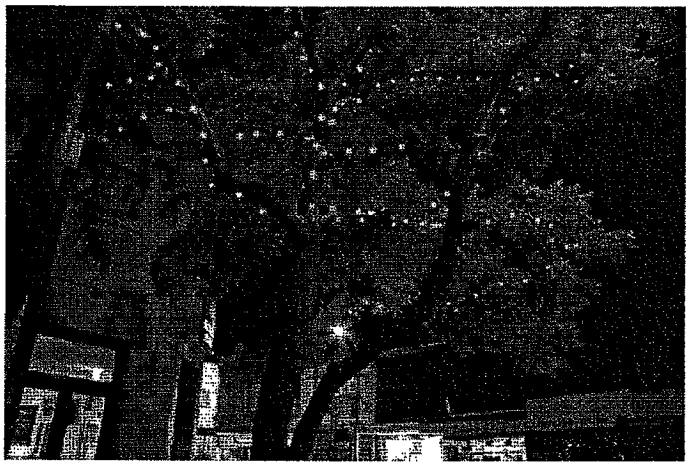
The Environment Shop supplies a range of systems from simple domestic sets for under $50 to large tree lighting systems costing thousands of dollars. Please note the larger tree systems are built to order. Prices are indicative only and would have to be confirmed with a quotation. The Environment Shop can also offer a full installation service of both the solar and LED light components.

Medium Tree LED Light Kit (No Solar)
This system consists of 5, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $450

Large Tree LED Light Kit (No Solar)
This system consists of 15, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $1,200

Medium Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 5, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $1,600

Large Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 15, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $2,500



Building LED Solar Light Kit
This system is specifically designed to be used in architectural applications. It could be used on a building to outline its shape, to provide a colourful display, to spell out a message or any other applications. It consists of a photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 50 metres of lights with cables. It can be used in any location. This price does not include installation. Smaller and larger kits are available.
approx $2,000

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BROWN AND SON ELECTRICAL

- New Installations and repair to power point outlets internal or external.
- safety switches on the power and lighting circuits.
- Installation and repair of exhaust fans.
- Installation of all types of Ceiling sweep fans / Fan Lights.
- New installation and repair of lighting, including New points, sensor lights, low voltage garden lighting, Floodlighting.
- Installation of Light fittings.
- New installation of Range or Wall Oven & Hotplate, Replacement of existing cooking equipment.
- Installation of heavy duty power for Air Conditioners
- Installation of new circuits to provide better power distribution, room for additional points etc.
- Replacement of switchboard to update with Circuit breakers, Safety switches etc.
- Surge protection to the home or Office

Contact Us

0415 556 247

Only fit Light fittings

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CTM ELECTRICAL SERVICES

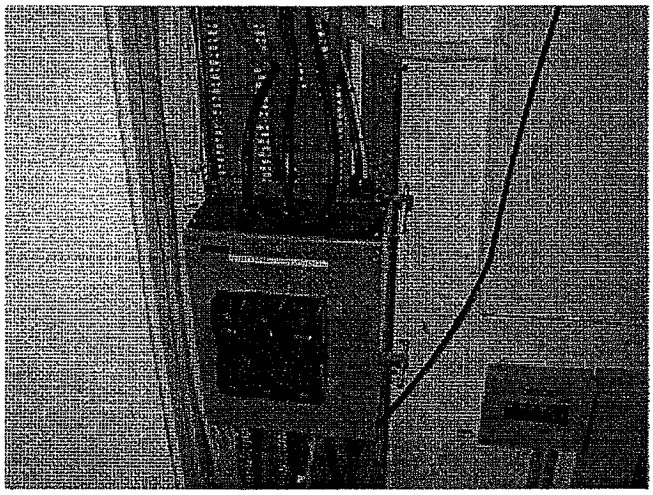
ELECTRICIANS SPECIALISING in large commercial factories, shops, restaurants, offices and schools etc...

REC 16272
ABN 43 590 680 417

CTM Electrical Services has been built up around the industry with it's tradesmen fully licence and having a can do attitude.

CTM Electrical Services has over 20 years of combined experience through out Melbourne and outer suburbs ensuring our clients receive a top quality electrical service they come to expect.

Currently CTM Electrical Services are contracted for maintaining 30 shopping centre's, 10 Commercial factories along with exit and emergency systems, log books, testing and tagging systems for 20+ companies through out Melbourne's industrial areas.



Our services include (but not limited to):

- Rewiring of houses and commercial buildings
- Switchboard upgrades & safety switches
- All facets of electrical installation and maintenance
- Residential and Commercial Electrical Inspections across Melbourne
- Commercial electrical maintenance contracts
- School electrical maintenance contracts
- Industrial building's electrical installation
- 24hr emergency electrical services by prior arrangement

Call for a FREE quote
Ph: 0413 298 081

or fill in the online quotation form in the "Request a Quote" section of this website.

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only Install Electric Stations

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OZ Party Hire Pty. Ltd.
Head Office: 56 Keon Parade Reservoir Vic. 3073
Ph: 9462 4322
Fax: 9462 6066
Email: info@ozpartyhire.com.au

Greensborough - 9434 2221
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Coburg - 9354 3611
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five kings

Welcome to Five Kings

Grab a Coffee, relax and start researching for your new furniture, curtains & blinds, lighting, kitchen revamp, bathroom upgrade, carpets, tiles and timber floors in Melbourne. Find a bargain, find that piece, or simply let your mind go wild with all the designs and colours on offer

When you have clicked into a site and found what you want just make a call or drop in to a local store. If your renovating an existing home or building a new home or simply refurbishing this is the place to start and finish. And remember, Relax it's all here in one place, links

Furniture chaise | Lighting room | Carpets and Rugs

Blinds and curtains | Timber floor retreat | Tile lounge

Bathroom spa | Kitchen rendezvous | Cinema space

Art and Picture framing | Interior design and Feng Shui | Pool and Spa Landscaping

Home | Furniture chaise | Lighting room | Tile lounge
Bathroom spa | Timber floor retreat | Carpet café | Blinds and curtains swarae Kitchen rendezvous | Cinema space | Art and Picture Framing | Interior design and Feng Shui | Pool and Spa Landscaping | About Us | Contact Us

Web Design Melbourne by Tyranny

Buy from Importers

s47F

5

From: s47F
Sent: Thursday, 2 April 2009 12:35
To: TARCON
Cc: s47F
Subject: FW:

Attachments: 20090402112814092.pdf

20090402112814092.pdf (2 MB)

Good afternoon
Please find tco application on behalf of mercator lighting Spare parts for lighting fixtures

Rgds
s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

-----Original Message-----
From: s47F
Sent: Thursday, 2 April 2009 12:28 PM
To: s47F
Subject:

This E-mail was sent from "RNPC25519" (MP 3500/LD335).

Scan Date: 02.04.2009 11:28:14 (+1000)
Queries to: s47F

2 APR 09 12:31

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

Hours ____ Minutes ____

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name	Australian Business Number (A.B.N.)
Mercator Lighting	23005946958
Postal Address P.O. Box 66 Dallas. Victoria. 3047	
Applicant's Reference: Mercator	Owner Code *(if applicable)*: 23005946958
Company Contact: s47F	Position Held: s47F
Telephone Number: s47F	Facsimile Number: 0393026262
	E-mail Address

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above")	A.B.N.
AS Above	
Postal Address	
Importer's Reference	Owner Code 24PR'05 12:31
Company Contact	Position Held
Telephone Number	Facsimile Number

AGENT/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
Consolidated Cargo & Customs	48758123229
Postal Address	
P.O. Box 223, Footscray, Victoria, 3011	
Agent's Reference	**Agency Contact**
Mercator	s47F
Telephone Number	**Facsimile Number**	**E-mail Address**
s47F	0393262600	s47F

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).

(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.

(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
- (ii) described in terms of their intended end use; or
- (iii) declared by the regulations to be goods to which a TCO should not be extended.

Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.

(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 ... **Describe the goods**

Spare Parts for Lighting Fixtures -
NON - Ceramic being any of the
following.

a) Shades
b) Panels
c) Svrands

ILLUSTRATIVE MATERIAL

2 **Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.**

TARIFF CLASSIFICATION

3 **Identify the tariff classification (to 8 figure subheading level)** 9405920[illegible]

Identify the General Duty rate 05 %

If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.

☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 **Describe ALL uses (including design uses) to which the goods can be put.**

Changeable Parts for Lighting
Fixtures

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.

No Australian Producer Found.

6 Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.

Internet Sites attached.

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

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.....

.....

.....

.....

.....

.....

.....

DECLARATION

I, s47F | Position Held s47F

Company (if applicable) Consolidated Cargo & Customs Services

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

s47F

Signature of Applicant/Agent/Broker

Date 2-4-09

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

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  Australian Customs Service
  Customs House
  5 Constitution Avenue
  CANBERRA ACT 2601

  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

  or
- e-mailing it to tarcon@customs.gov.au.

s47F

From: s47F
Sent: Thursday, 2 April 2009 11:38 AM
To: s47F
Subject: Tco application

please find the sample images below.

Best regards

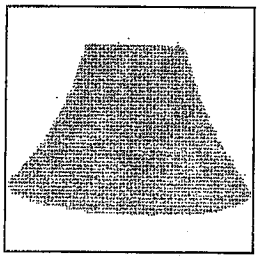
s47F

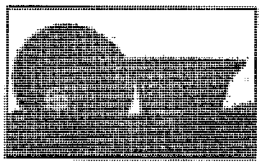
Mercator Lighting Pty Ltd
ph: s47F
fx: (03) 9302 6262
e-mail: s47F

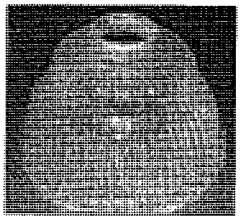
From: s47F
Sent: Wednesday, 1 April 2009 12:13 PM
To: s47F
Cc: s47F
Subject: Tco application

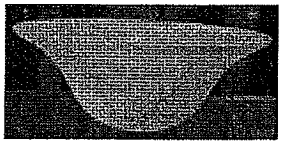
hi s47F
can you please send me some pictures of the spare parts

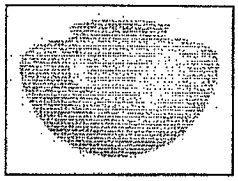
shades



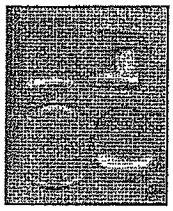


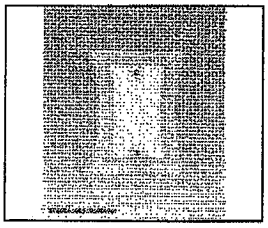


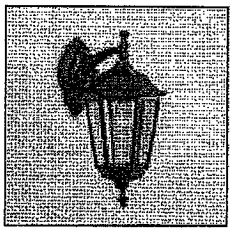




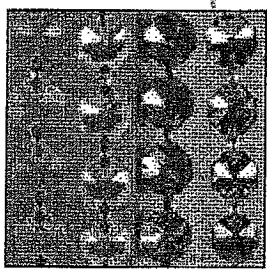
Glass panels for lights







strands



the other applications have been sent today for

table and floor lamps
ceiling light fixtures
spotlights

2/04/2009

wall fixtures

rgds
tony

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

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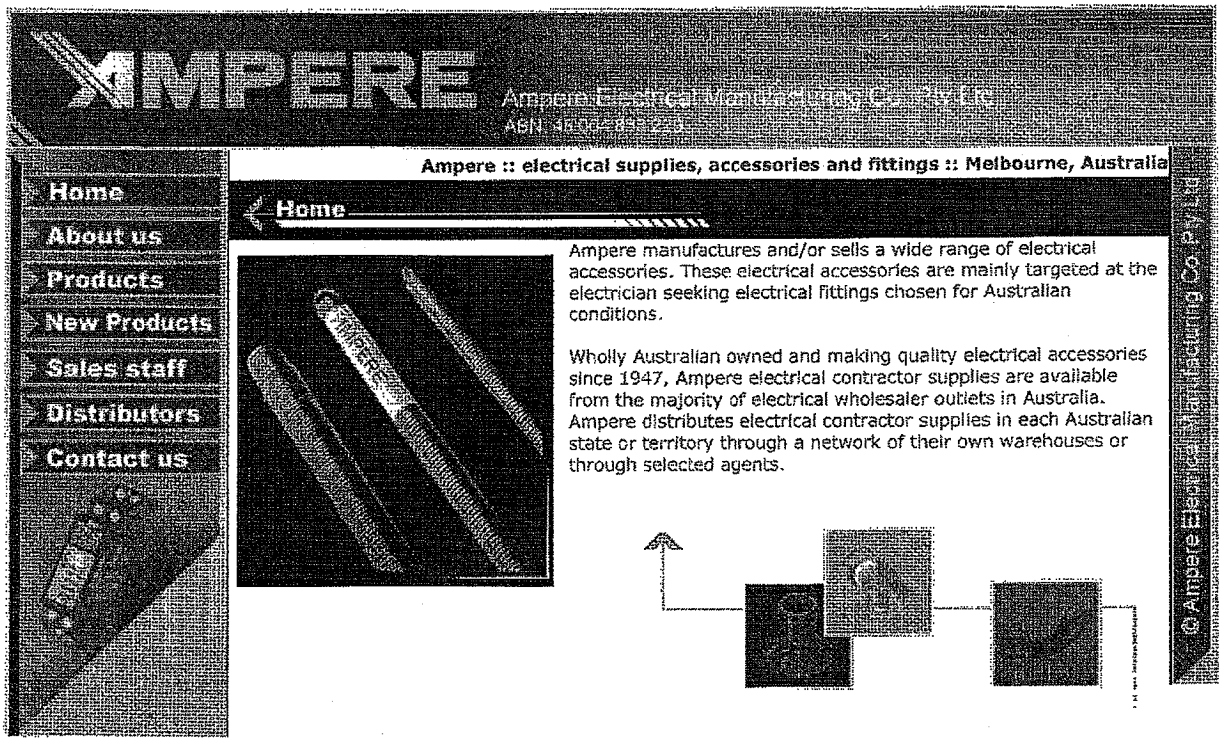
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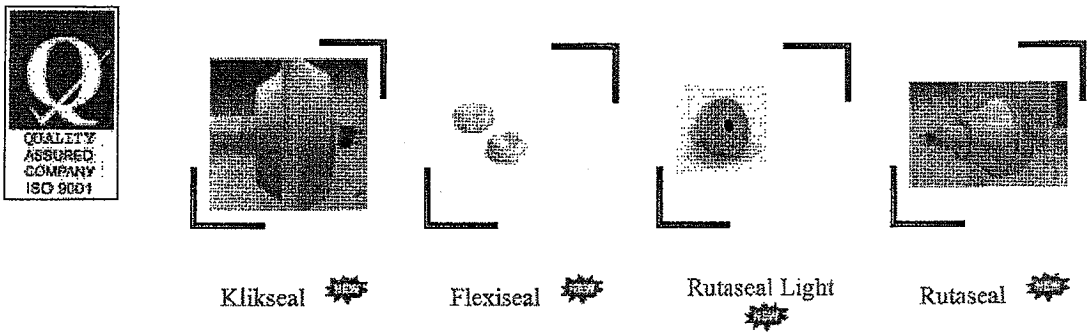

Don't Produce Complete Light Fittings

The electrical accessory & fittings range includes:

Lighting Products that include battenholders and lampholders.
Cable holding and protection products that include plastic conduit bushes and stops and nylon cable glands.
Connectors including strip connectors, single screw connectors and double screw connectors.
Cable and conduit securing products including Quiklip™ plastic cable clips and "Suregrip" metal half saddles.
Installation tools and accessories including jack chain and pull through springs.
Petzl head torches including the Tikkina and Tikka XP.
Hollow wall fasteners including Anka plugs and Wall loks.
Self-drilling screws in a variety of packs and sizes.
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Conduit plastic fittings including junction boxes and couplings.
PVC Insulation Tape Duct Tape and Self Fusing Tapes.
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Safety equipment including safety spectacles.

In addition to the range of electrical products for the electrical contractor Ampere have a range of products designed to supply Original Equipment Manufacturers especially lighting manufacturers. Lighting equipment manufactures or other OEM's are invited to contact either the Ampere HO or the rep in their area for further information about electrical accessories designed specifically for their industries.

Electricians when calling at their wholesalers should specify Ampere electrical contractor supplies for great value products made/distributed by a wholly owned Australian company with a reputation for quality and value.

Our range of electrical accessories is constantly being upgraded and expanded. We attempt to upgrade this website every 3 to 4 months with releases of new electrical contractor supplies being shown on a separate "New Product" page. Click here to go to our New Products page & to view our Featured

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Buys from Importers

Energy Efficient Lighting

At The **Environment Shop**, we specialise in *Energy Efficient Lighting*. We stock a wide range of lamps and fittings for home, garden, office and retail and can source almost anything you can imagine. We have energy efficient alternatives for standard light globes, halogen downlights, outdoor lighting, garden lighting, older fluoro lamps and fittings including ballasts, industrial and factory lighting including mercury vapour alternatives, office lighting, display lighting and other specialist and detailed lighting challenges.

Our knowledgable staff can advise you on the options available to replace your current inefficient lighting, or help you with a lighting plan for your new home, extension or renovation, ensuring you the lowest running costs and lighting that is beautiful as well as practical.

Lighting Design

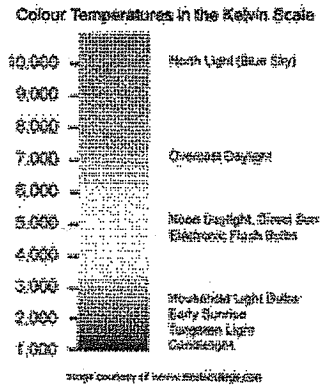
We offer a lighting design service for new buildings and renovations. Call us to organise an appointment, then bring in your house plans and ideas and we will talk through them and come up with a lighting solution that is practical, beautiful and most importantly, efficient. Shortly after the meeting we will email you a formal copy of the lighting plan. Typical pricing for a family home is $250, which also entitles you to a discount on light fittings bought through us.

Lighting Efficiency

The amount of energy used by lighting in Australian households is increasing, mainly due to larger house sizes and the proliferation of halogen downlights. It is possible to decrease the amount of energy used by your lights by up to 80% without affecting your light levels or quality. In fact many energy efficient lights provide better light coverage and quality than traditional lights.

Energy efficient lighting does not mean lower quality or less options. In fact, with modern technology such as LEDs, CFLs, micro fluoros such as the Megaman range and cold cathode fluorescent lamps, it is possible to light your home, garage, driveway, garden, shack, factory or shop in ways that we could only dream about in the past. Their low power consumption, lower operating temperatures, long operating life and versatile size and packaging means you can fit energy efficient lamps just about anywhere you need light, for practical purposes or for decoration. Low energy consumption also means it is much more viable to power lighting from renewable sources such as solar electricity, especially in areas that have no power available, such as sheds, gardens and remote areas.

FIRSTLY, SOME IMPORTANT DEFINITIONS



Watts – the wattage of a lamp indicates the rate at which it consumes electricity. A 12V lamp does not necessarily use less power than a 240V lamp, you have to compare the watts. E.g. a standard 12 Volt halogen lamp is 50 Watts, four of these in a room equals 200 Watts, not including losses in the transformers.

Lumens – are a measure of the luminous flux, basically the amount of light output by a lamp. You can directly compare the brightness of different types of lamps by comparing their output in lumens and you can get a good idea of the efficiency of a lamp by looking at the lumens/watt.

Colour Temperature – is an indicator of the colour of the white light emitted by a lamp. Incandescent lamps are usually very warm, with a slight yellow/orange tint to the light. Older style fluorescent lamps tended to be very cool with a bluish tinge that is very practical to work by not very flattering. Modern cool white fluoros are a nicer shade and are excellent for detailed work and high visibility. Modern fluoro lamps come in a range of colour temperatures. Warm white is best for living areas, cool white is best for work areas such as kitchens. Colour temperature is measured in Degrees Kelvin. Warm white is typically 3500k or less, cool white is 4000k-6500k and daylight is 6500k+

TYPES OF LAMPS AND THEIR ALTERNATIVES

INCANDESCENT LAMPS

Incandescent lamps or bulbs are the most commonly used type of lighting. They include the standard everyday light bulbs and halogen downlights. They are typically inexpensive to buy but their lifetime running costs are high.

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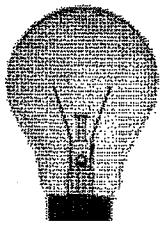
An incandescent lamp works by running electricity through a piece of wire known as the filament until it heats up enough to emit light, literally glowing white hot. This means that a lot of the energy used is lost as heat rather than light, which is both inefficient and dangerous, with halogen downlights responsible for many house fires.



Standard light bulbs typically only last about a thousand hours and must be regularly replaced, which can be very costly, dangerous or just outright annoying in difficult situations such as high ceilings.

Incandescent lamps are most suitable for areas where lighting is used infrequently and for short periods, such as laundries and toilets and also harsh environments such as inside fridges and ovens. Even though they are inefficient users of energy, incandescent lamps can still be the most suitable choice for certain situations.

COMPACT FLUORESCENT LAMPS

The best alternative to the standard lightbulb in most situations is the compact fluorescent lamp, or CFL. First invented during the oil crisis of the 1970s, they have become commonly available in the last few years and provide very good quality light with up to 80% less energy use than an equivalent incandescent light bulb.

Most of our Compact Fluoro Lamps use spiral tubes, which provide a better distribution of light and are more compact and better looking than the more common linear tube lamps.

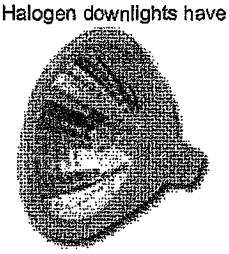
CFLs work by creating an arc that causes a phosphor on the inside of the tube to glow. There is some circuitry inside the base that controls the arc and stops the lamp flickering at switch on like in older fluoro lamps.

The main issue with compact fluorescents is the large amount of energy and materials that goes into manufacturing a lamp compared to an incandescent. This is known as embodied energy. The much longer typical lifetime of a CFL means that the greater embodied energy is more than made up for by the energy saved during use. The problem appears when the lamp doesnt last as long as it should.

The answer to this is to buy a good quality CFL and make sure it is used appropriately. CFLs dont like electronic switches such as sensor lights and most are not compatible with dimmers. We have high quality Dimmable CFLs available.

HALOGEN LAMPS

Halogen downlights have become very popular over recent years. They are usually low voltage systems, which many people have interpreted as low power. This is not true.



Because of the directional nature of the halogen downlights, more fittings are needed to light up a room compared to traditional light globe batten fittings. Typical downlights use a 50watt lamp and a transformer that can use as much as 10-15 watts more, for a total of up to 65 watts per fitting. With 6 fittings per room, this can add up to 390 watts. The same amount of light can be provided by two 20 watt CFL lamps in batten fittings. Count the number of halogen downlights in your house and add up the watts!

Halogens are also a fire hazard. The filaments in halogen lamps rise to about 2500°C and the bulb wall is about 500°C. We have measured the external temperature of our display halogen lamps at over 200°C in open air. The temperature at which paper will ignite without a spark or flame is around 230°C. This means that if insulation is pushed against the lamp fitting or rodents drag nesting materials around in your roof a fire can very easily occur.

We highly recommend products such as the Isolite downlight cover and the TENMAT Fire-rated downlight covers to protect your downlights. These products will also make your home more efficient by stopping the thermal chimney effect, caused by the hot air being drawn through the lamp fitting and into the roof space.

If you are renovating or designing a new home we highly recommend you do not install downlights, there are better ways of lightng a room. However, many people already have many downlight fittings in their home, or simply prefer the appearance.

We offer several efficient downlight alternatives.

HIGH EFFICIENCY AND LOW WATTAGE HALOGEN LAMPS

The simplest alternative is to replace your existing halogen lamps with

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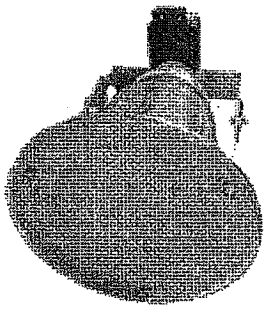
the more efficient IRC lamps. They are identical to standard halogens, except that the bulb has an Infra Red Coating which reflects some of the heat back into the filament.
As a result a 35 watt lamp can produce as much light as a 50 watt lamp. Lamp life is also extended to 4,000 hours. These lamps will save up to 30% of energy compared to a standard halogen.

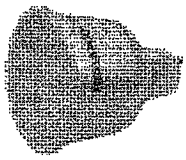
It is also worth considering replacing some of your lamps with a lower wattage where light levels are too high. E.g. Replace a 50w standard halogen with a 20w IRC halogen.
This option is ideal for renters and others who cant afford or may not want to change their light fittings. However, the fire hazard still remains and much greater energy savings can be made with other options.

CFL DOWNLIGHT FITTINGS

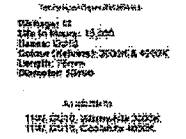
The best alternative we have found for replacing standard 50W halogen downlights is a 15W Compact Fluoro lamp in a fitting specially designed for CFLs. Dont try putting CFLs into fittings designed for incandescent lamps, the reflector needs to be different to efficiently get the light out. We have a range of downlight fittings designed specifically for CFLs available in different sizes, shapes and finishes. You can see them here.



MICRO FLUOROS



Micro Fluoro Lamps use the same technology as Compact Fluoro Lamps but in a smaller package, designed to fit into a standard downlight lampholder. Most use the 240V GU10 two pin fitting the same as 240V halogen lamps. This means that you can directly replace any 240V halogens you have, but you will have to remove the transformer and add a GU10 adaptor to your existing fittings if you are replacing 12v halogens. As this is fixed wiring it requires a licensed electrician, but it is a simple job and shouldnt take them long.



The compact size means that the maximum wattage we have available at the moment is 11w, roughly equivalent to a 50w halogen. However the light quality is a little different. Halogen downlights tend to throw a very directed beam of light that is tightly focussed in the centre, while fluoro lamps tend to spread the light very evenly across a wide angle. An 11w micro fluoro lamp emits the same amount of light as a 50w halogen, however the light is spread more evenly and there are no bright spots to grab the eyes attention. This means that we perceive the light levels as being slightly lower than with halogens. If you want the same perceived light levels, you will need to install additional light fittings.

LEDs

LEDsor Light Emitting Diodes are semiconductor devices which emit light. They can potentially have a very long life (100,000 hours), offer reasonably high efficiencies and are compact, very rugged and highly controllable for both colour and brightness.

Currently, LEDs tend to be very focussed light sources and there are limitations on the power output levels, so they are not very practical for room lighting. (Yet!) However, they are ideal for display and task lighting, where the object to be lit is close to the light source. They make excellent workbench lamps in a kitchen or workshop and are ideal for lighting up works of art.

The range of fittings, colours and brightness levels available mean that LEDs have amazing potential for decorative lighting, whether in your garden, in a shop, around the house, for art or on your christmas tree.
Technology is moving very rapidly in this area, so it is hard for us to keep the website up to date. Please call or email us if you are interested in using LEDs, we can source a very wide range and always have several types in stock and on display.

SOLAR BUD LIGHTING

Recent technological advances have made it possible to use *Solar Powered LED* (Light Emitting Diodes) lights for exterior decorative lighting. The result is much lower power consumption, longer life and when powered with solar panels, zero green house gas emissions. The use of solar power also means total flexibility in locating the lights, as no 240-volt power is required.

Solar Bud Lighting (Solar Fairy Lights/Solar Christmas Lights) can add magical sparkle to trees and buildings in public places. However of all the forms of public lighting it is by far the most energy inefficient. Those little glowing bulbs are designed for long life rather than efficiency. They are very wasteful, producing much more heat than light. In fact, conventional bud lighting produces 2 or 3 lumens per watt compared to about 15 lumens per watt for standard incandescent lamps.

Advantages

- Uses less energy. Can be as low as 5% of conventional bud lighting.
- No greenhouse gas emissions when run by solar power.
- Light can go anywhere. No 240 Volt power is required, so the light can go in the middle of parks, on buildings, anywhere.
- These *LED lights* can still be used where 240 Volt power is available, but have the major advantages of dramatically improved energy savings and long life.
- Last longer. *LED Lights* can last from 50,000 to 100,000 hours.
- The white *LED Lights* create clean attractive light similar to starlight.
- Flexibility, the lights can be used on trees, to profile buildings or provide lighting effects with flashing, pulsing or fading lights of any colour.

The Environment Shop supplies a range of systems from simple domestic sets for under $50 to large tree lighting systems costing thousands of dollars. Please note the larger tree systems are built to order. Prices are indicative only and would have to be confirmed with a quotation. The Environment Shop can also offer a full installation service of both the solar and LED light components.

Medium Tree LED Light Kit (No Solar)
This system consists of 5, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $450

Large Tree LED Light Kit (No Solar)
This system consists of 15, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $1,200

Medium Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 5, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $1,600

Large Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 15, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $2,500

Building LED Solar Light Kit
This system is specifically designed to be used in architectural applications. It could be used on a building to outline its shape, to provide a colourful display, to spell out a message or any other applications. It consists of a photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 50 metres of lights with cables. It can be used in any location. This price does not include installation. Smaller and larger kits are available.
approx $2,000

9

BROWN AND SON ELECTRICAL

- New installations and repair to power point outlets internal or external.
- safety switches on the power and lighting circuits.
- Installation and repair of exhaust fans.
- Installation of all types of Ceiling sweep fans / Fan Lights.
- New installation and repair of lighting, including New points, sensor lights, low voltage garden lighting, Floodlighting.
- Installation of Light fittings.
- New installation of Range or Wall Oven & Hotplate, Replacement of existing cooking equipment.
- Installation of heavy duty power for Air Conditioners
- Installation of new circuits to provide better power distribution, room for additional points etc.
- Replacement of switchboard to update with Circuit breakers, Safety switches etc.
- Surge protection to the home or Office

Contact Us

0415 556 247

Only for Light fittings

8

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REC 16272
ABN 43 590 680 417

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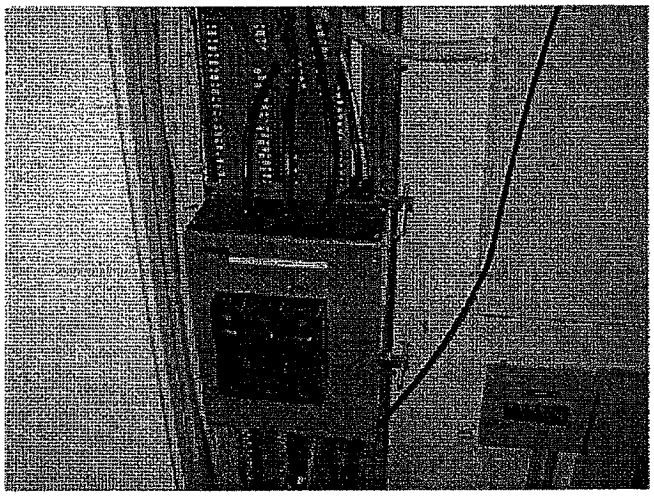
CTM Electrical Services has been built up around the industry with it's tradesmen fully licence and having a can do attitude.

CTM Electrical Services has over 20 years of combined experience through out Melbourne and outer suburbs ensuring our clients receive a top quality electrical service they come to expect.

Currently CTM Electrical Services are contracted for maintaining 30 shopping centre's, 10 Commercial factories along with exit and emergency systems, log books, testing and tagging systems for 20+ companies through out Melbourne's industrial areas.



Our services include (but not limited to):

- Rewiring of houses and commercial buildings
- Switchboard upgrades & safety switches
- All facets of electrical installation and maintenance
- Residential and Commercial Electrical Inspections across Melbourne
- Commercial electrical maintenance contracts
- School electrical maintenance contracts
- Industrial building's electrical installation
- 24hr emergency electrical services by prior arrangement

Call for a FREE quote
Ph: 0413 298 081

or fill in the online quotation form in the "Request a Quote" section of this website.

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only Install Electric Stations

7

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Ph: 9462 4322
Fax: 9462 6066
Email: info@ozpartyhire.com.au

Greensborough - 9434 2221
Doncaster - 9848 3225
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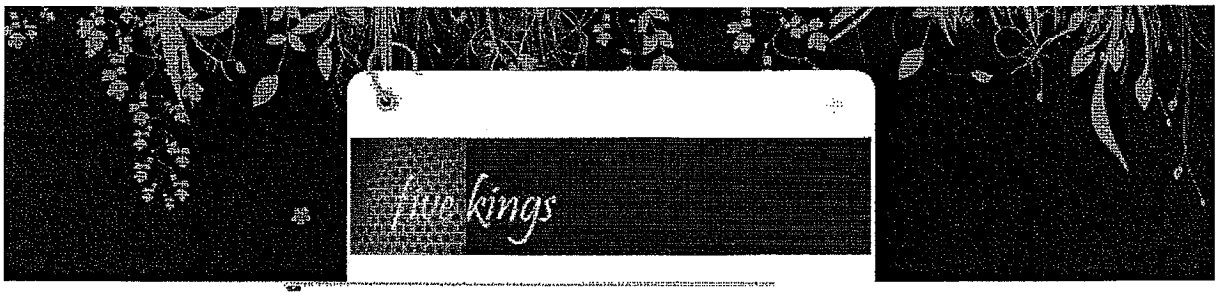
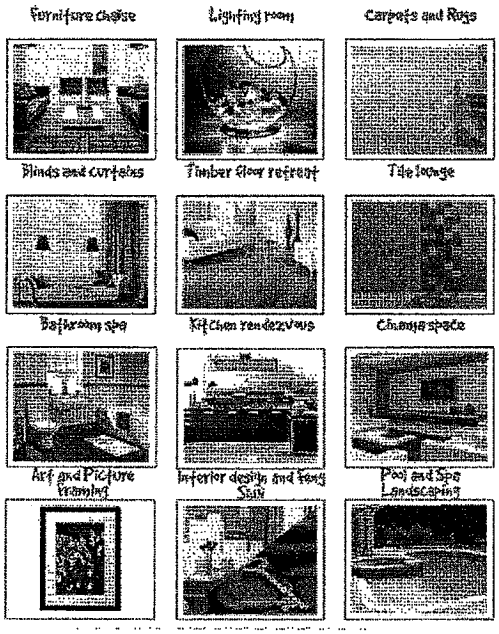


Welcome to Five Kings

Grab a Coffee, relax and start researching for your new furniture, curtains & blinds, lighting, kitchen revamp, bathroom upgrade, carpets, tiles and timber floors in Melbourne. Find a bargain, find that piece, or simply let your mind go wild with all the designs and colours on offer

When you have clicked into a site and found what you want just make a call or drop in to a local store. If your renovating an existing home or building a new home or simply refurbishing this is the place to start and finish. And remember, Relax it's all here in one place. links



Home | Furniture chaise | Lighting room | Tile lounge
Bathroom spa | Timber floor retreat | Carpet cafe | Blinds and curtains swarae Kitchen rendezvous | Cinema space | Art and Picture Framing | Interior design and Feng Shui | Pool and Spa Landscaping | About Us | Contact Us

Web Design Melbourne by Tyranny

Buy from Importers

s47F

5

From: s47F
Sent: Thursday, 2 April 2009 12:36
To: TARCON
Cc: s47F
Subject: FW:

Attachments: 20090402112913315.pdf

20090402112913315.pdf (2 MB)

Good afternoon
Please find attached tco application on behalf of mercator lighting Spare parts

Rgds
s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

-----Original Message-----
From: s47F
Sent: Thursday, 2 April 2009 12:29 PM
To: s47F
Subject:

This E-mail was sent from "RNPC25519" (MP 3500/LD335).

Scan Date: 02.04.2009 11:29:13 (+1000)
Queries to: s47F

2 APR 09 12:51

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

Hours ____ Minutes ____

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name	Australian Business Number (A.B.N.)
MERcator Lighting	2300 5946958
Postal Address	
P.O. Box 66 Dallas. Victoria. 3047	
Applicant's Reference	**Owner Code** *(if applicable)*
Mercator	2300 5946958
Company Contact s47F	**Position Held** s47F
Telephone Number s47F	**Facsimile Number** 0393026262 / **E-mail Address**

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above")	A.B.N.
AS Above	
Postal Address	
Importer's Reference	**Owner Code**
Company Contact	**Position Held** 29APR'09 12:31
Telephone Number	**Facsimile Number**

AGENT/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
Consolidated Cargo + Customs	48758123229
Postal Address	
P.O. Box 223, Footscray, Victoria, 3011	
Agent's Reference	**Agency Contact**
Mercator	s47F
Telephone Number	**Facsimile Number**	**E-mail Address**
s47F	0393262600	s47F

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).

(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.

(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
- (ii) described in terms of their intended end use; or
- (iii) declared by the regulations to be goods to which a TCO should not be extended.

Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.

(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 **Describe the goods**

Spare Parts for Lighting Fixtures =
Non-Ceramic being any of the following.
a) Shades
b) Panels
c) Strands

ILLUSTRATIVE MATERIAL

2 **Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.**

TARIFF CLASSIFICATION

3 **Identify the tariff classification (to 8 figure subheading level)** 9405910 0
Identify the General Duty rate 05 %
If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.
☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 **Describe ALL uses (including design uses) to which the goods can be put.**

Changeable Parts for Lighting Fixtures

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 **Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.**

NO Australian Producer found.

6 **Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.**

Internet Sites attached.

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

.....

.....

.....

.....

.....

.....

.....

.....

DECLARATION

I, s47F Position Held s47F

Company (if applicable) Consolidated Cargo & Customs Services

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

s47F

Signature of Applicant/Agent/Broker Date 2-4-09

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

- posting it by prepaid post to the
  National Manager, Tariff Branch
  Australian Customs Service
  Customs House
  5 Constitution Avenue
  CANBERRA ACT 2601

  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

  or
- e-mailing it to tarcon@customs.gov.au.

20

s47F

From: s47F

Sent: Thursday, 2 April 2009 11:38 AM

To: s47F

Subject: Tco application

please find the sample images below.

Best regards

s47F

Mercator Lighting Pty Ltd
ph: s47F
fx: (03) 9302 6262
e-mail: s47F

From: s47F

Sent: Wednesday, 1 April 2009 12:13 PM

To: s47F

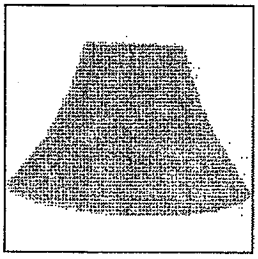
Cc: s47F

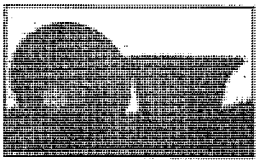
Subject: Tco application

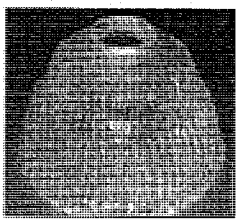
hi s47F

can you please send me some pictures of the spare parts

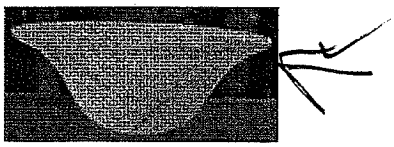
shades

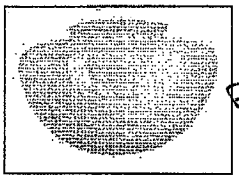




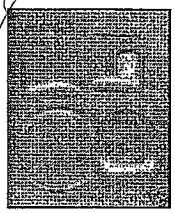


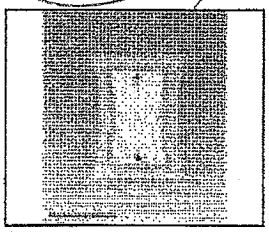
19

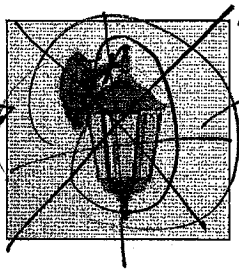




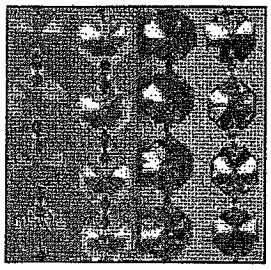
Glass panels for lights







strands



trimmings

the other applications have been sent today for

table and floor lamps
ceiling light fixtures
spotlights

2/04/2009

18

wall fixtures

rods
s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

17

Google light fittings Search Advanced Search Preferences

Web Results 1 - 10 of about 110,000,000 for light fittings. (0.26 seconds)

Wholesale Priced Lighting Sponsored Link
www.mattblatt.com.au We Have Pendant, Floor, Table Lamps and More. Buy Online or In-store.

Light fittings and lightbulbs — Easylighting.co.uk
Light fittings and lightbulbs from Easy Lighting, UK supplier of great **light fittings** of all sorts.
www.easy**light**ing.co.uk/ - 28k - Cached - Similar pages

Light Fittings - Efficient **Light**
Light Fittings,A wide range of **light fittings** that will accept energy saving lamps.,A wide range of **light fittings** that will accept energy saving lamps.
www.efficient**light**.co.uk/store/pc/viewcategories.asp?idCategory=10 - 40k - Cached - Similar pages

Welcome to Lyco Direct - 1000s of **Light** Bulbs & **Fittings** - Energy ...
Lyco - Your single source for money-saving lighting solutions and all the health, safety and workplace maintenance products you could ever need - all ...
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[PDF] Asbestos Essentials a5: Cleaning **light fittings** attached to ...
File Format: PDF/Adobe Acrobat - View as HTML
contaminated **light fitting** attached to AIB, eg to change a bulb or tube. .... Cleaning **light fittings** attached to asbestos insulating board (AIB) ...
www.hse.gov.uk/pubns/guidance/a5.pdf - Similar pages

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Interior **Light Fittings**
The best source of information for Interior **Light Fittings** products and services.
www.infolink.com.au/t/Interior-**Light-Fittings** - 73k - Cached - Similar pages

LIDOKOV - Interior **Light Fittings**, Switchboard Locks | Products ...
The company LIDOKOV is a manufacturer of interior **light fittings** which are exported all over the world. The **light fittings** are divided into ceiling, desk, ...
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Light Fittings Lighting Fixtures Bangalore - Buy **light fittings** ...
Light up your home in style, for buying **light fittings**, lighting fixtures in Bangalore always come to Adithya Lamps, a leading **light** décor showroom at the ...

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brownelectric.yodelaustralia.com.au

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www.xsstock.com.au
Victoria

The Lighting Specialists *
Quality Lighting Solutions
Quickly & Easily Find Local Experts
HomeImprovementPages.com.au/Lights

Light fittings
Elegant and efficient solutions
Try the Italian high quality style!
www.fabbian.com

Local Lighting Stores *
Ceiling Lighting, Pendants, Modern & Outdoor Lighting in Melbourne
www.FiveKings.com.au
Victoria

Lighting Products *
Thousands of lighting products for Retail, Trade & Wholesale
www.an**light**ing.com.au

Energy Efficient Lighting *
Your one stop shop for energy efficient lighting!
www.environmentshop.com.au

Electrical Accesories *
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All marked * are imports or buy from imports.

16

www.adithyalamps.com/ - 5k - Cached - Similar pages

LIGHT FITTINGS | alvaraalto.fi
Nevertheless, Alvar Aalto always endeavoured to design buildings right down to the smallest details – including the **light fittings**. ...
www.alvaraalto.fi/alvar/design/**light**/index.htm - 2k - Cached - Similar pages

Dedicated energy saving **light fittings** / Energy saving **fittings** ...
Aurora Wall Washer - AUR 0734/LE. Dedicated energy saving **light fittings**. Dalby Low Energy Bulkhead. Dedicated energy saving **light fittings** ...
www.energysavingtrust.org.uk/Compare-and-buy-products/Energy-saving-**fittings**/Dedicated-energy-saving-**light-fittings** - 32k - Cached - Similar pages

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light fittings Search

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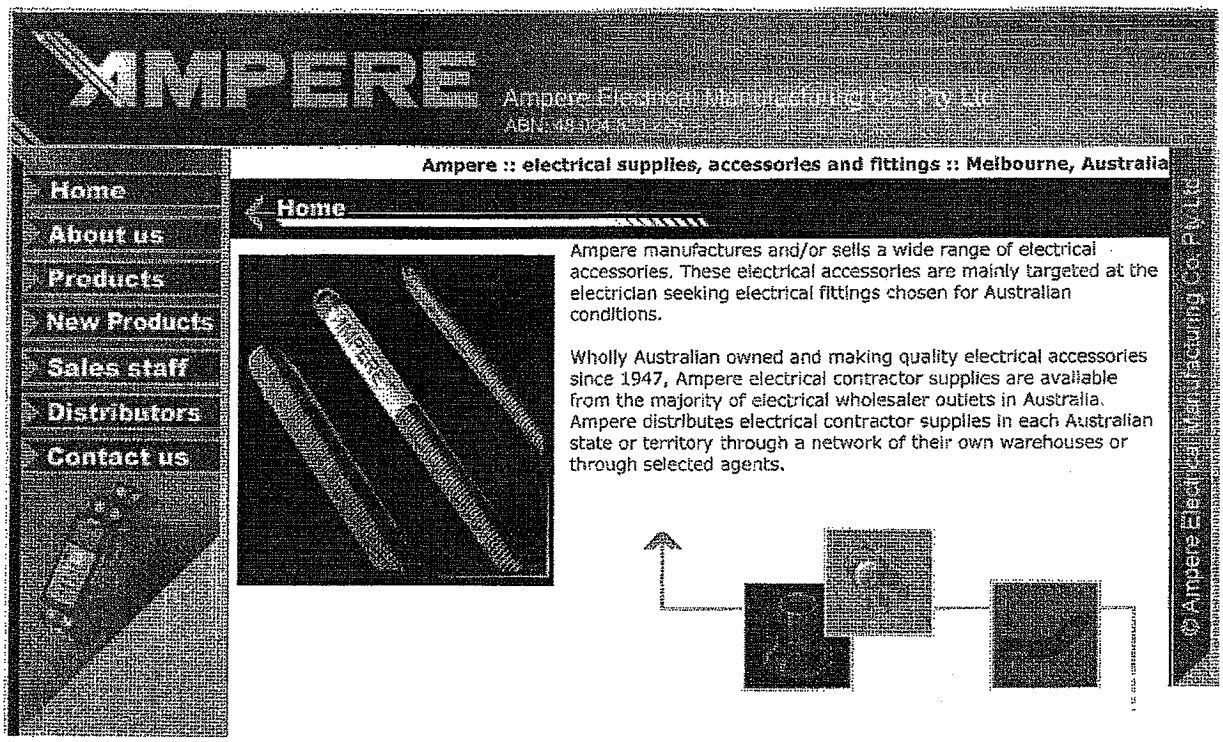
15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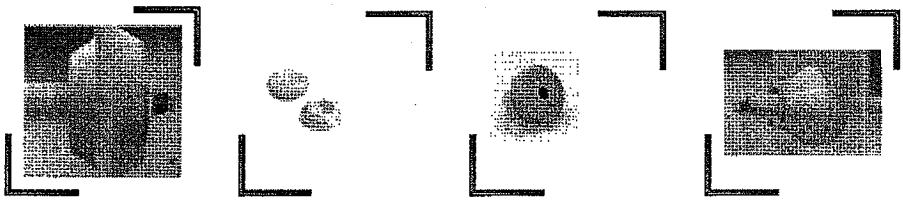
Wholly Australian owned and making quality electrical accessories since 1947, Ampere electrical contractor supplies are available from the majority of electrical wholesaler outlets in Australia. Ampere distributes electrical contractor supplies in each Australian state or territory through a network of their own warehouses or through selected agents.
© Ampere Electrical Manufacturing Co. Pty Ltd

QUALITY ASSURED COMPANY ISO 9001

New & Featured Products



Klikseal NEW Flexiseal NEW Rutaseal Light NEW Rutaseal NEW

Don't Produce Complete Light Fittings

The electrical accessory & fittings range includes:

Lighting Products that include battenholders and lampholders.
Cable holding and protection products that include plastic conduit bushes and stops and nylon cable glands.
Connectors including strip connectors, single screw connectors and double screw connectors.
Cable and conduit securing products including Quiklip™ plastic cable clips and "Suregrip" metal half saddles.
Installation tools and accessories including jack chain and pull through springs.
Petzl head torches including the Tikkina and Tikka XP.
Hollow wall fasteners including Anka plugs and Wall loks.
Self-drilling screws in a variety of packs and sizes.
Solid wall fasteners including nail in plugs and masonry anchors.
Conduit plastic fittings including junction boxes and couplings.
PVC Insulation Tape Duct Tape and Self Fusing Tapes.
P&N cutting tools, drills, holesaws, spade bits and auger bits.
Safety equipment including safety spectacles.

In addition to the range of electrical products for the electrical contractor Ampere have a range of products designed to supply Original Equipment Manufacturers especially lighting manufacturers. Lighting equipment manufactures or other OEM's are invited to contact either the Ampere HO or the rep in their area for further information about electrical accessories designed specifically for their industries.

Electricians when calling at their wholesalers should specify Ampere electrical contractor supplies for great value products made/distributed by a wholly owned Australian company with a reputation for quality and value.

Our range of electrical accessories is constantly being upgraded and expanded. We attempt to upgrade this website every 3 to 4 months with releases of new electrical contractor supplies being shown on a separate "New Product" page. Click here to go to our New Products page & to view our Featured

Products.

Copies of Australian Approvals for electrical accessories requiring them are available from Ampere Head Office on request.

So remember when you want value electrical accessories always specify Ampere.

13

environment SHOP
Green Goods and Environmentally Sustainable Living

- Energy
- Garden
- Gifts
- For your home
- Water
- Shop
- Government, Business & Schools
- Directory

Quick Find...
ENVIRONMENT SHOP
594 High Street,
Thornbury Victoria
Australia 3071
Phone:+61 3 9480 1905
Fax: +61 3 9484 8591

Opening Hours:
Monday to Friday
10.00am to 5:00pm
Saturday
10.00am to 5.00pm

Buys from Importers

Energy Efficient Lighting

At **The Environment Shop**, we specialise in *Energy Efficient Lighting*. We stock a wide range of lamps and fittings for home, garden, office and retail and can source almost anything you can imagine. We have energy efficient alternatives for standard light globes, halogen downlights, outdoor lighting, garden lighting, older fluoro lamps and fittings including ballasts, industrial and factory lighting including mercury vapour alternatives, office lighting, display lighting and other specialist and detailed lighting challenges.

Our knowledgable staff can advise you on the options available to replace your current inefficient lighting, or help you with a lighting plan for your new home, extension or renovation, ensuring you the lowest running costs and lighting that is beautiful as well as practical.

Lighting Design

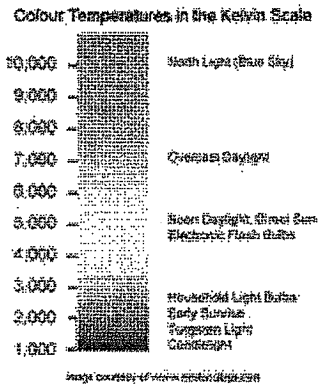
We offer a lighting design service for new buildings and renovations. Call us to organise an appointment, then bring in your house plans and ideas and we will talk through them and come up with a lighting solution that is practical, beautiful and most importantly, efficient. Shortly after the meeting we will email you a formal copy of the lighting plan. Typical pricing for a family home is $250, which also entitles you to a discount on light fittings bought through us.

Lighting Efficiency

The amount of energy used by lighting in Australian households is increasing, mainly due to larger house sizes and the proliferation of halogen downlights. It is possible to decrease the amount of energy used by your lights by up to 80% without affecting your light levels or quality. In fact many energy efficient lights provide better light coverage and quality than traditional lights.

Energy efficient lighting does not mean lower quality or less options. In fact, with modern technology such as LEDs, CFLs, micro fluoros such as the Megaman range and cold cathode fluorescent lamps, it is possible to light your home, garage, driveway, garden, shack, factory or shop in ways that we could only dream about in the past. Their low power consumption, lower operating temperatures, long operating life and versatile size and packaging means you can fit energy efficient lamps just about anywhere you need light, for practical purposes or for decoration. Low energy consumption also means it is much more viable to power lighting from renewable sources such as solar electricity, especially in areas that have no power available, such as sheds, gardens and remote areas.

FIRSTLY, SOME IMPORTANT DEFINITIONS



Watts – the wattage of a lamp indicates the rate at which it consumes electricity. A 12V lamp does not necessarily use less power than a 240V lamp, you have to compare the watts. E.g. a standard 12 Volt halogen lamp is 50 Watts, four of these in a room equals 200 Watts, not including losses in the transformers.

Lumens – are a measure of the luminous flux, basically the amount of light output by a lamp. You can directly compare the brightness of different types of lamps by comparing their output in lumens and you can get a good idea of the efficiency of a lamp by looking at the lumens/watt.

Colour Temperature – is an indicator of the colour of the white light emitted by a lamp. Incandescent lamps are usually very warm, with a slight yellow/orange tint to the light. Older style fluorescent lamps tended to be very cool with a bluish tinge that is very practical to work by not very flattering. Modern cool white fluoros are a nicer shade and are excellent for detailed work and high visibility. Modern fluoro lamps come in a range of colour temperatures. Warm white is best for living areas, cool white is best for work areas such as kitchens. Colour temperature is measured in Degrees Kelvin. Warm white is typically 3500k or less, cool white is 4000k-6500k and daylight is 6500k+

TYPES OF LAMPS AND THEIR ALTERNATIVES

INCANDESCENT LAMPS

Incandescent lamps or bulbs are the most commonly used type of lighting. They include the standard everyday light bulbs and halogen downlights. They are typically inexpensive to buy but their lifetime running costs are high.

An incandescent lamp works by running electricity through a piece of wire known as the filament until it heats up enough to emit light, literally glowing white hot. This means that a lot of the energy used is lost as heat rather than light, which is both inefficient and dangerous, with halogen downlights responsible for many house fires.

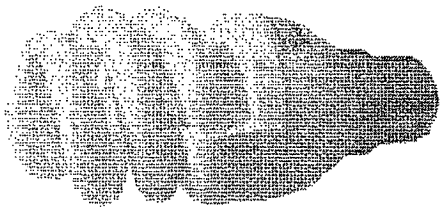
Standard light bulbs typically only last about a thousand hours and must be regularly replaced, which can be very costly, dangerous or just outright annoying in difficult situations such as high ceilings.

Incandescent lamps are most suitable for areas where lighting is used infrequently and for short periods, such as laundries and toilets and also harsh environments such as inside fridges and ovens. Even though they are inefficient users of energy, incandescent lamps can still be the most suitable choice for certain situations.

COMPACT FLUORESCENT LAMPS

The best alternative to the standard lightbulb in most situations is the compact fluorescent lamp, or CFL. First invented during the oil crisis of the 1970s, they have become commonly available in the last few years and provide very good quality light with up to 80% less energy use than an equivalent incandescent light bulb.

Most of our Compact Fluoro Lamps use spiral tubes, which provide a better distribution of light and are more compact and better looking than the more common linear tube lamps.



CFLs work by creating an arc that causes a phosphor on the inside of the tube to glow. There is some circuitry inside the base that controls the arc and stops the lamp flickering at switch on like in older fluoro lamps.

The main issue with compact fluorescents is the large amount of energy and materials that goes into manufacturing a lamp compared to an incandescent. This is known as embodied energy. The much longer typical lifetime of a CFL means that the greater embodied energy is more than made up for by the energy saved during use. The problem appears when the lamp doesnt last as long as it should.

The answer to this is to buy a good quality CFL and make sure it is used appropriately. CFLs dont like electronic switches such as sensor lights and most are not compatible with dimmers. We have high quality Dimmable CFLs available.

HALOGEN LAMPS

Halogen downlights have become very popular over recent years. They are usually low voltage systems, which many people have interpreted as low power. This is not true.

Because of the directional nature of the halogen downlights, more fittings are needed to light up a room compared to traditional light globe batten fittings. Typical downlights use a 50watt lamp and a transformer that can use as much as 10-15 watts more, for a total of up to 65 watts per fitting. With 6 fittings per room, this can add up to 390 watts. The same amount of light can be provided by two 20 watt CFL lamps in batten fittings. Count the number of halogen downlights in your house and add up the watts!

Halogens are also a fire hazard. The filaments in halogen lamps rise to about 2500°C and the bulb wall is about 500°C. We have measured the external temperature of our display halogen lamps at over 200°C in open air. The temperature at which paper will ignite without a spark or flame is around 230°C. This means that if insulation is pushed against the lamp fitting or rodents drag nesting materials around in your roof a fire can very easily occur.

We highly recommend products such as the Isolite downlight cover and the TENMAT Fire-rated downlight covers to protect your downlights. These products will also make your home more efficient by stopping the thermal chimney effect, caused by the hot air being drawn through the lamp fitting and into the roof space.

If you are renovating or designing a new home we highly recommend you do not install downlights, there are better ways of lightng a room. However, many people already have many downlight fittings in their home, or simply prefer the appearance.

We offer several efficient downlight alternatives.

HIGH EFFICIENCY AND LOW WATTAGE HALOGEN LAMPS

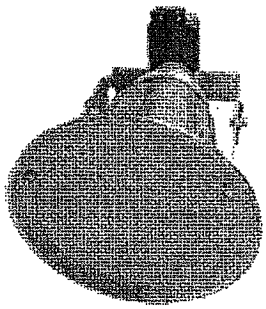
The simplest alternative is to replace your existing halogen lamps with

the more efficient IRC lamps. They are identical to standard halogens, except that the bulb has an Infra Red Coating which reflects some of the heat back into the filament.
As a result a 35 watt lamp can produce as much light as a 50 watt lamp. Lamp life is also extended to 4,000 hours. These lamps will save up to 30% of energy compared to a standard halogen.

It is also worth considering replacing some of your lamps with a lower wattage where light levels are too high. E.g. Replace a 50w standard halogen with a 20w IRC halogen.
This option is ideal for renters and others who cant afford or may not want to change their light fittings. However, the fire hazard still remains and much greater energy savings can be made with other options.

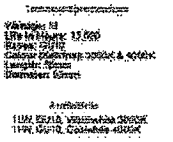
CFL DOWNLIGHT FITTINGS

The best alternative we have found for replacing standard 50W halogen downlights is a 15W Compact Fluoro lamp in a fitting specially designed for CFLs. Dont try putting CFLs into fittings designed for incandescent lamps, the reflector needs to be different to efficiently get the light out. We have a range of downlight fittings designed specifically for CFLs available in different sizes, shapes and finishes. You can see them here.



MICRO FLUOROS

Micro Fluoro Lamps use the same technology as Compact Fluoro Lamps but in a smaller package, designed to fit into a standard downlight lampholder. Most use the 240V GU10 two pin fitting the same as 240V halogen lamps. This means that you can directly replace any 240V halogens you have, but you will have to remove the transformer and add a GU10 adaptor to your existing fittings if you are replacing 12v halogens. As this is fixed wiring it requires a licensed electrician, but it is a simple job and shouldnt take them long.



The compact size means that the maximum wattage we have available at the moment is 11w, roughly equivalent to a 50w halogen. However the light quality is a little different. Halogen downlights tend to throw a very directed beam of light that is tightly focussed in the centre, while fluoro lamps tend to spread the light very evenly across a wide angle. An 11w micro fluoro lamp emits the same amount of light as a 50w halogen, however the light is spread more evenly and there are no bright spots to grab the eyes attention. This means that we perceive the light levels as being slightly lower than with halogens. If you want the same perceived light levels, you will need to install additional light fittings.

LEDs

LEDsor Light Emitting Diodes are semiconductor devices which emit light. They can potentially have a very long life (100,000 hours), offer reasonably high efficiencies and are compact, very rugged and highly controllable for both colour and brightness.

Currently, LEDs tend to be very focussed light sources and there are limitations on the power output levels, so they are not very practical for room lighting. (Yet!) However, they are ideal for display and task lighting, where the object to be lit is close to the light source. They make excellent workbench lamps in a kitchen or workshop and are ideal for lighting up works of art.

The range of fittings, colours and brightness levels available mean that LEDs have amazing potential for decorative lighting, whether in your garden, in a shop, around the house, for art or on your christmas tree.
Technology is moving very rapidly in this area, so it is hard for us to keep the website up to date. Please call or email us if you are interested in using LEDs, we can source a very wide range and always have several types in stock and on display.

SOLAR BUD LIGHTING

Recent technological advances have made it possible to use *Solar Powered LED* (Light Emitting Diodes) lights for exterior decorative lighting. The result is much lower power consumption, longer life and when powered with solar panels, zero green house gas emissions. The use of solar power also means total flexibility in locating the lights, as no 240-volt power is required.

Solar Bud Lighting (Solar Fairy Lights/Solar Christmas Lights) can add magical sparkle to trees and buildings in public places. However of all the forms of public lighting it is by far the most energy inefficient. Those little glowing bulbs are designed for long life rather than efficiency. They are very wasteful, producing much more heat than light. In fact, conventional bud lighting produces 2 or 3 lumens per watt compared to about 15 lumens per watt for standard incandescent lamps.

Advantages

10

- Uses less energy. Can be as low as 5% of conventional bud lighting.
- No greenhouse gas emissions when run by solar power.
- Light can go anywhere. No 240 Volt power is required, so the light can go in the middle of parks, on buildings, anywhere.
- These *LED lights* can still be used where 240 Volt power is available, but have the major advantages of dramatically improved energy savings and long life.
- Last longer. *LED Lights* can last from 50,000 to 100,000 hours.
- The white *LED Lights* create clean attractive light similar to starlight.
- Flexibility, the lights can be used on trees, to profile buildings or provide lighting effects with flashing, pulsing or fading lights of any colour.

The Environment Shop supplies a range of systems from simple domestic sets for under $50 to large tree lighting systems costing thousands of dollars. Please note the larger tree systems are built to order. Prices are indicative only and would have to be confirmed with a quotation. The Environment Shop can also offer a full installation service of both the solar and LED light components.

Medium Tree LED Light Kit (No Solar)
This system consists of 5, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $450

Large Tree LED Light Kit (No Solar)
This system consists of 15, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $1,200

Medium Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 5, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $1,600

Large Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 15, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $2,500

Building LED Solar Light Kit
This system is specifically designed to be used in architectural applications. It could be used on a building to outline its shape, to provide a colourful display, to spell out a message or any other applications. It consists of a photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 50 metres of lights with cables. It can be used in any location. This price does not include installation. Smaller and larger kits are available.
approx $2,000

BROWN AND SON ELECTRICAL

- New installations and repair to power point outlets internal or external.
- safety switches on the power and lighting circuits.
- Installation and repair of exhaust fans.
- Installation of all types of Ceiling sweep fans / Fan Lights.
- New installation and repair of lighting, including New points, sensor lights, low voltage garden lighting, Floodlighting.
- Installation of Light fittings.
- New installation of Range or Wall Oven & Hotplate, Replacement of existing cooking equipment.
- Installation of heavy duty power for Air Conditioners
- Installation of new circuits to provide better power distribution, room for additional points etc.
- Replacement of switchboard to update with Circuit breakers, Safety switches etc.
- Surge protection to the home or Office

Contact Us

0415 556 247

Only fit Light fittings

CTM ELECTRICAL SERVICES

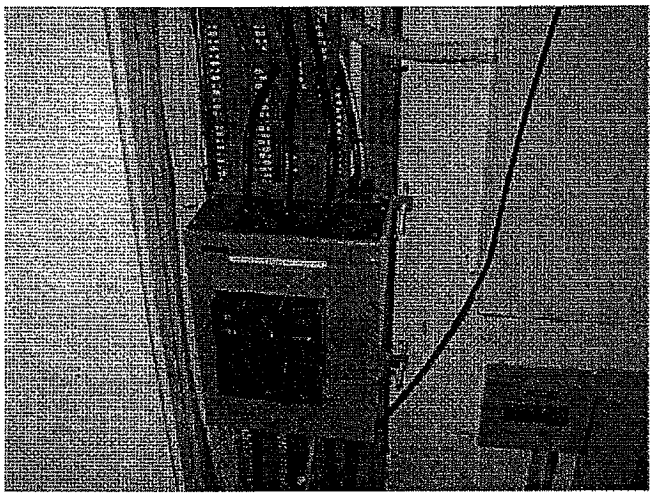
ELECTRICIANS SPECIALISING in large commercial factories, shops, restaurants, offices and schools etc...

REC 16272
ABN 43 590 680 417

CTM Electrical Services has been built up around the industry with it's tradesmen fully licence and having a can do attitude.

CTM Electrical Services has over 20 years of combined experience through out Melbourne and outer suburbs ensuring our clients receive a top quality electrical service they come to expect.

Currently CTM Electrical Services are contracted for maintaining 30 shopping centre's, 10 Commercial factories along with exit and emergency systems, log books, testing and tagging systems for 20+ companies through out Melbourne's industrial areas.



Our services include (but not limited to):

- Rewiring of houses and commercial buildings
- Switchboard upgrades & safety switches
- All facets of electrical installation and maintenance
- Residential and Commercial Electrical Inspections across Melbourne
- Commercial electrical maintenance contracts
- School electrical maintenance contracts
- Industrial building's electrical installation
- 24hr emergency electrical services by prior arrangement

Call for a FREE quote
Ph: 0413 298 081

or fill in the online quotation form in the "Request a Quote" section of this website.

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Website Designer and Hosting by Digital Exposure

only Install Electric Stations

OZ Party Hire Pty. Ltd.
Head Office: 56 Keon Parade Reservoir Vic. 3073
Ph: 9462 4322
Fax: 9462 6066
Email: info@ozpartyhire.com.au

Greensborough - 9434 2221
Doncaster - 9848 3225
Coburg - 9354 3611
Essendon - 9370 1817

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on time and at competitive rates..."

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REGISTERED Building Practitioner

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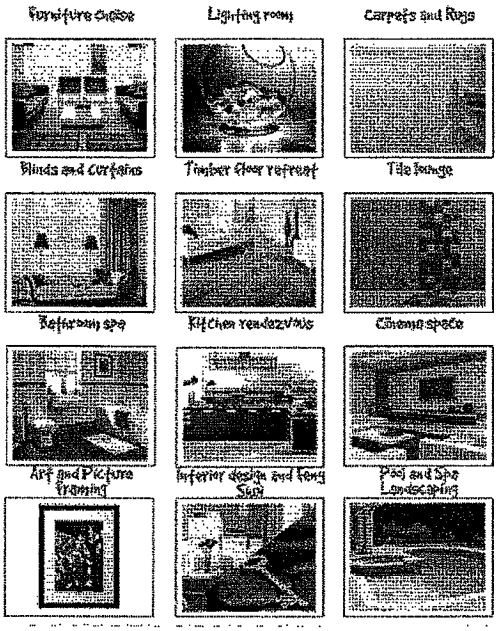
Buy from Imports

6

Welcome to Five Kings

Grab a Coffee, relax and start researching for your new furniture, curtains & blinds, lighting, kitchen revamp, bathroom upgrade, carpets, tiles and timber floors in Melbourne. Find a bargain, find that piece, or simply let your mind go wild with all the designs and colours on offer

When you have clicked into a site and found what you want just make a call or drop in to a local store. If your renovating an existing home or building a new home or simply refurbishing this is the place to start and finish. And remember, Relax it's all here in one place, links



Home | Furniture chaise | Lighting room | Tile lounge
Bathroom spa | Timber floor retreat | Carpet café | Blinds and curtains swarae Kitchen rendezvous | Cinema space | Art and Picture Framing | Interior design and Feng Shui | Pool and Spa Landscaping | About Us | Contact Us

Web Design Melbourne by Tyranny

Buy from Importers

s47F

5

From: s47F
Sent: Thursday, 2 April 2009 12:38
To: TARCON
Cc: s47F
Subject: FW:

Attachments: 20090402113001174.pdf

20090402113001174.pdf (2 MB)

Good after noon
Please find attached tco application on behalf of mercator lighting Spare parts This is the third one as there are 3 tariff classes for parts Rgds s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

-----Original Message-----
From: s47F
Sent: Thursday, 2 April 2009 12:30 PM
To: s47F
Subject:

This E-mail was sent from "RNPC25519" (MP 3500/LD335).

Scan Date: 02.04.2009 11:30:01 (+1000)
Queries to: s47F

2 APR 09 12:32

TIME SAVER

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

[ ] Hours [ ] Minutes

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "it is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name	Australian Business Number (A.B.N.)
Mercator Lighting	23005946958
Postal Address	
P.O. Box 66 Dallas. Victoria. 3047	
Applicant's Reference	**Owner Code *(if applicable)***
Mercator	23005946958
Company Contact s47F	**Position Held** s47F
Telephone Number s47F	**Facsimile Number** 0393026262 / **E-mail Address**

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above")	A.B.N.
AS Above	
Postal Address	
Importer's Reference	**Owner Code**
Company Contact	**Position Held**
Telephone Number	**Facsimile Number**

AGENT/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
Consolidated Cargo & Customs	48758123229
Postal Address: P.O. Box 223, Footscray, Victoria 3011	
Agent's Reference: Mercabor	Agency C s47F
Telephone Number s47F	Facsimile Number: 0393262600
E-mail Address s47F	

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).

(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.

(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
- (ii) described in terms of their intended end use; or
- (iii) declared by the regulations to be goods to which a TCO should not be extended.

Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.

(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 **Describe the goods**

Spare Parts for Lighting Fixtures :-

Non-Ceramic being any of the following

a) Shades
b) Panels
c) Strands

ILLUSTRATIVE MATERIAL

2 **Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.**

TARIFF CLASSIFICATION

3 **Identify the tariff classification (to 8 figure subheading level)** 9405990 0

Identify the General Duty rate 05 %

If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.

☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 **Describe ALL uses (including design uses) to which the goods can be put.**

Changeable Parts for Lighting Fixtures

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 **Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.**

NO Australian Producer Found.

6 **Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.**

Internet Sites attached

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

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DECLARATION

I, s47F | Position Held s47F

Company (if applicable) Consolidated Cargo & Customs Services

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

s47F

Signature of Applicant/Agent/Broker | Date 2-4-09

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

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  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

  or
- e-mailing it to tarcon@customs.gov.au.

20

s47F

From: s47F
Sent: Thursday, 2 April 2009 11:38 AM
To: s47F
Subject: Tco application

s47F

please find the sample images below.

Best regards

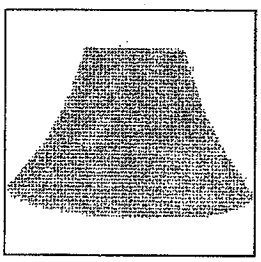
s47F

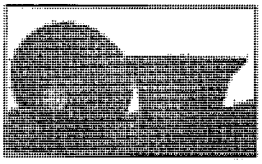
Mercator Lighting Pty Ltd
s47F
fx: (03) 9302 6262
e-mail:s47F

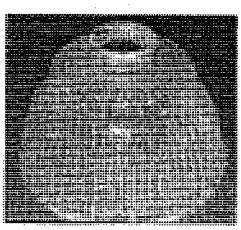
From: s47F
Sent: Wednesday, 1 April 2009 12:13 PM
To: s47F
Cc: s47F
Subject: Tco application

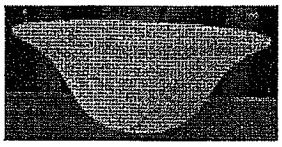
hi s47F
can you please send me some pictures of the spare parts

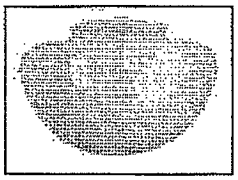
shades



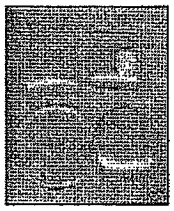


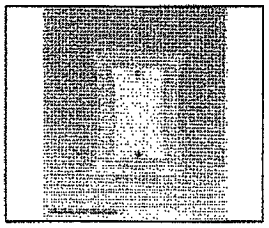


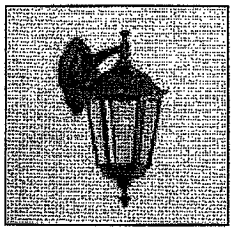




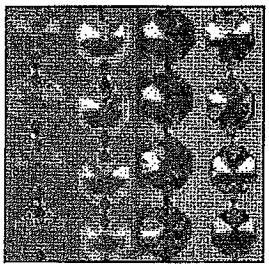
Glass panels for lights







strands



the other applications have been sent today for

table and floor lamps
ceiling light fixtures
spotlights

2/04/2009

wall fixtures

rods
s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

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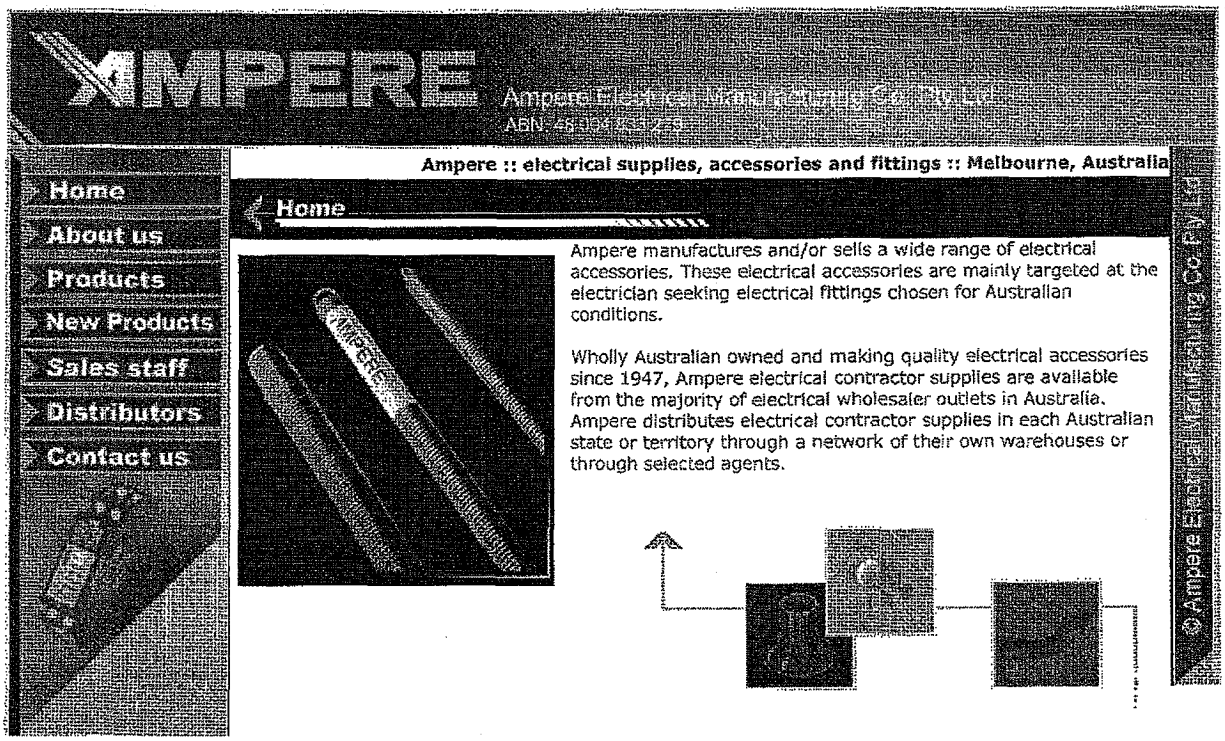
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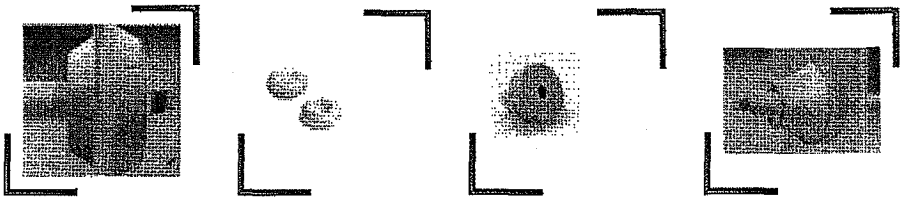
New & Featured Products



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Don't Produce Complete Light Fittings

The electrical accessory & fittings range includes:

Lighting Products that include battenholders and lampholders.
Cable holding and protection products that include plastic conduit bushes and stops and nylon cable glands.
Connectors including strip connectors, single screw connectors and double screw connectors.
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Safety equipment including safety spectacles.

In addition to the range of electrical products for the electrical contractor Ampere have a range of products designed to supply Original Equipment Manufacturers especially lighting manufacturers. Lighting equipment manufactures or other OEM's are invited to contact either the Ampere HO or the rep in their area for further information about electrical accessories designed specifically for their industries.

Electricians when calling at their wholesalers should specify Ampere electrical contractor supplies for great value products made/distributed by a wholly owned Australian company with a reputation for quality and value.

Our range of electrical accessories is constantly being upgraded and expanded. We attempt to upgrade this website every 3 to 4 months with releases of new electrical contractor supplies being shown on a separate "New Product" page. Click here to go to our New Products page & to view our Featured

14

Products.

Copies of Australian Approvals for electrical accessories requiring them are available from Ampere Head Office on request.

So remember when you want value electrical accessories always specify Ampere.

13

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Buys from Importers

Energy Efficient Lighting

At **The Environment Shop**, we specialise in *Energy Efficient Lighting*. We stock a wide range of lamps and fittings for home, garden, office and retail and can source almost anything you can imagine. We have energy efficient alternatives for standard light globes, halogen downlights, outdoor lighting, garden lighting, older fluoro lamps and fittings including ballasts, industrial and factory lighting including mercury vapour alternatives, office lighting, display lighting and other specialist and detailed lighting challenges.

Our knowledgable staff can advise you on the options available to replace your current inefficient lighting, or help you with a lighting plan for your new home, extension or renovation, ensuring you the lowest running costs and lighting that is beautiful as well as practical.

Lighting Design

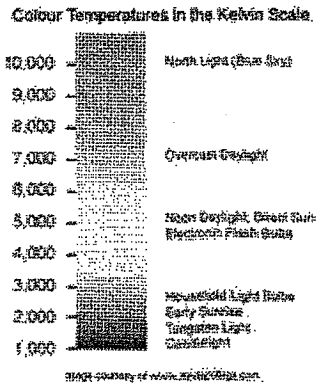
We offer a lighting design service for new buildings and renovations. Call us to organise an appointment, then bring in your house plans and ideas and we will talk through them and come up with a lighting solution that is practical, beautiful and most importantly, efficient. Shortly after the meeting we will email you a formal copy of the lighting plan. Typical pricing for a family home is $250, which also entitles you to a discount on light fittings bought through us.

Lighting Efficiency

The amount of energy used by lighting in Australian households is increasing, mainly due to larger house sizes and the proliferation of halogen downlights. It is possible to decrease the amount of energy used by your lights by up to 80% without affecting your light levels or quality. In fact many energy efficient lights provide better light coverage and quality than traditional lights.

Energy efficient lighting does not mean lower quality or less options. In fact, with modern technology such as LEDs, CFLs, micro fluoros such as the Megaman range and cold cathode fluorescent lamps, it is possible to light your home, garage, driveway, garden, shack, factory or shop in ways that we could only dream about in the past. Their low power consumption, lower operating temperatures, long operating life and versatile size and packaging means you can fit energy efficient lamps just about anywhere you need light, for practical purposes or for decoration. Low energy consumption also means it is much more viable to power lighting from renewable sources such as solar electricity, especially in areas that have no power available, such as sheds, gardens and remote areas.

FIRSTLY, SOME IMPORTANT DEFINITIONS



Watts – the wattage of a lamp indicates the rate at which it consumes electricity. A 12V lamp does not necessarily use less power than a 240V lamp, you have to compare the watts. E.g. a standard 12 Volt halogen lamp is 50 Watts, four of these in a room equals 200 Watts, not including losses in the transformers.

Lumens – are a measure of the luminous flux, basically the amount of light output by a lamp. You can directly compare the brightness of different types of lamps by comparing their output in lumens and you can get a good idea of the efficiency of a lamp by looking at the lumens/watt.

Colour Temperature – is an Indicator of the colour of the white light emitted by a lamp. Incandescent lamps are usually very warm, with a slight yellow/orange tint to the light. Older style fluorescent lamps tended to be very cool with a bluish tinge that is very practical to work by not very flattering. Modern cool white fluoros are a nicer shade and are excellent for detailed work and high visibility. Modern fluoro lamps come in a range of colour temperatures. Warm white is best for living areas, cool white is best for work areas such as kitchens. Colour temperature is measured in Degrees Kelvin. Warm white is typically 3500k or less, cool white is 4000k-6500k and daylight is 6500k+

TYPES OF LAMPS AND THEIR ALTERNATIVES

INCANDESCENT LAMPS

Incandescent lamps or bulbs are the most commonly used type of lighting. They include the standard everyday light bulbs and halogen downlights. They are typically inexpensive to buy but their lifetime running costs are high.

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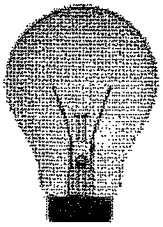
An incandescent lamp works by running electricity through a piece of wire known as the filament until it heats up enough to emit light, literally glowing white hot. This means that a lot of the energy used is lost as heat rather than light, which is both inefficient and dangerous, with halogen downlights responsible for many house fires.



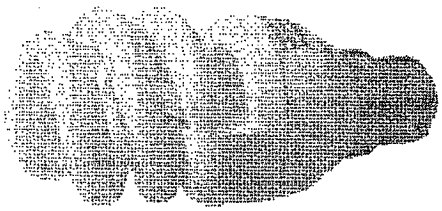
Standard light bulbs typically only last about a thousand hours and must be regularly replaced, which can be very costly, dangerous or just outright annoying in difficult situations such as high ceilings.

Incandescent lamps are most suitable for areas where lighting is used infrequently and for short periods, such as laundries and toilets and also harsh environments such as inside fridges and ovens. Even though they are inefficient users of energy, incandescent lamps can still be the most suitable choice for certain situations.

COMPACT FLUORESCENT LAMPS

The best alternative to the standard lightbulb in most situations is the compact fluorescent lamp, or CFL. First invented during the oil crisis of the 1970s, they have become commonly available in the last few years and provide very good quality light with up to 80% less energy use than an equivalent incandescent light bulb.

Most of our Compact Fluoro Lamps use spiral tubes, which provide a better distribution of light and are more compact and better looking than the more common linear tube lamps.



CFLs work by creating an arc that causes a phosphor on the inside of the tube to glow. There is some circuitry inside the base that controls the arc and stops the lamp flickering at switch on like in older fluoro lamps.

The main issue with compact fluorescents is the large amount of energy and materials that goes into manufacturing a lamp compared to an incandescent. This is known as embodied energy. The much longer typical lifetime of a CFL means that the greater embodied energy is more than made up for by the energy saved during use. The problem appears when the lamp doesnt last as long as it should.

The answer to this is to buy a good quality CFL and make sure it is used appropriately. CFLs dont like electronic switches such as sensor lights and most are not compatible with dimmers. We have high quality Dimmable CFLs available.

HALOGEN LAMPS

Halogen downlights have become very popular over recent years. They are usually low voltage systems, which many people have interpreted as low power. This is not true.

Because of the directional nature of the halogen downlights, more fittings are needed to light up a room compared to traditional light globe batten fittings. Typical downlights use a 50watt lamp and a transformer that can use as much as 10-15 watts more, for a total of up to 65 watts per fitting. With 6 fittings per room, this can add up to 390 watts. The same amount of light can be provided by two 20 watt CFL lamps in batten fittings. Count the number of halogen downlights in your house and add up the watts!

Halogens are also a fire hazard. The filaments in halogen lamps rise to about 2500°C and the bulb wall is about 500°C. We have measured the external temperature of our display halogen lamps at over 200°C in open air. The temperature at which paper will ignite without a spark or flame is around 230°C. This means that if insulation is pushed against the lamp fitting or rodents drag nesting materials around in your roof a fire can very easily occur.

We highly recommend products such as the Isolite downlight cover and the TENMAT Fire-rated downlight covers to protect your downlights. These products will also make your home more efficient by stopping the thermal chimney effect, caused by the hot air being drawn through the lamp fitting and into the roof space.

If you are renovating or designing a new home we highly recommend you do not install downlights, there are better ways of lightng a room. However, many people already have many downlight fittings in their home, or simply prefer the appearance.

We offer several efficient downlight alternatives.

HIGH EFFICIENCY AND LOW WATTAGE HALOGEN LAMPS

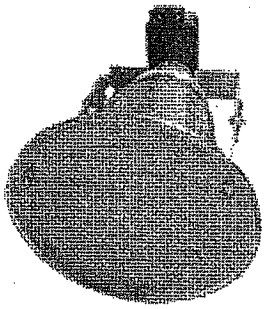
The simplest alternative is to replace your existing halogen lamps with

the more efficient IRC lamps. They are identical to standard halogens, except that the bulb has an Infra Red Coating which reflects some of the heat back into the filament.
As a result a 35 watt lamp can produce as much light as a 50 watt lamp. Lamp life is also extended to 4,000 hours. These lamps will save up to 30% of energy compared to a standard halogen.

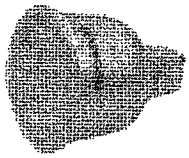
It is also worth considering replacing some of your lamps with a lower wattage where light levels are too high. E.g. Replace a 50w standard halogen with a 20w IRC halogen.
This option is ideal for renters and others who cant afford or may not want to change their light fittings. However, the fire hazard still remains and much greater energy savings can be made with other options.

CFL DOWNLIGHT FITTINGS

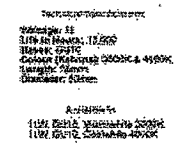
The best alternative we have found for replacing standard 50W halogen downlights is a 15W Compact Fluoro lamp in a fitting specially designed for CFLs. Dont try putting CFLs into fittings designed for incandescent lamps, the reflector needs to be different to efficiently get the light out. We have a range of downlight fittings designed specifically for CFLs available in different sizes, shapes and finishes. You can see them here.



MICRO FLUOROS



Micro Fluoro Lamps use the same technology as Compact Fluoro Lamps but in a smaller package, designed to fit into a standard downlight lampholder. Most use the 240V GU10 two pin fitting the same as 240V halogen lamps. This means that you can directly replace any 240V halogens you have, but you will have to remove the transformer and add a GU10 adaptor to your existing fittings if you are replacing 12v halogens. As this is fixed wiring it requires a licensed electrician, but it is a simple job and shouldnt take them long.



The compact size means that the maximum wattage we have available at the moment is 11w, roughly equivalent to a 50w halogen. However the light quality is a little different. Halogen downlights tend to throw a very directed beam of light that is tightly focussed in the centre, while fluoro lamps tend to spread the light very evenly across a wide angle. An 11w micro fluoro lamp emits the same amount of light as a 50w halogen, however the light is spread more evenly and there are no bright spots to grab the eyes attention. This means that we perceive the light levels as being slightly lower than with halogens. If you want the same perceived light levels, you will need to install additional light fittings.

LEDs

LEDsor Light Emitting Diodes are semiconductor devices which emit light. They can potentially have a very long life (100,000 hours), offer reasonably high efficiencies and are compact, very rugged and highly controllable for both colour and brightness.

Currently, LEDs tend to be very focussed light sources and there are limitations on the power output levels, so they are not very practical for room lighting. (Yet!) However, they are ideal for display and task lighting, where the object to be lit is close to the light source. They make excellent workbench lamps in a kitchen or workshop and are ideal for lighting up works of art.

The range of fittings, colours and brightness levels available mean that LEDs have amazing potential for decorative lighting, whether in your garden, in a shop, around the house, for art or on your christmas tree.
Technology is moving very rapidly in this area, so it is hard for us to keep the website up to date. Please call or email us if you are interested in using LEDs, we can source a very wide range and always have several types in stock and on display.

SOLAR BUD LIGHTING

Recent technological advances have made it possible to use *Solar Powered LED* (Light Emitting Diodes) lights for exterior decorative lighting. The result is much lower power consumption, longer life and when powered with solar panels, zero green house gas emissions. The use of solar power also means total flexibility in locating the lights, as no 240-volt power is required.

Solar Bud Lighting (Solar Fairy Lights/Solar Christmas Lights) can add magical sparkle to trees and buildings in public places. However of all the forms of public lighting it is by far the most energy inefficient. Those little glowing bulbs are designed for long life rather than efficiency. They are very wasteful, producing much more heat than light. In fact, conventional bud lighting produces 2 or 3 lumens per watt compared to about 15 lumens per watt for standard incandescent lamps.

Advantages

10

- Uses less energy. Can be as low as 5% of conventional bud lighting.
- No greenhouse gas emissions when run by solar power.
- Light can go anywhere. No 240 Volt power is required, so the light can go in the middle of parks, on buildings, anywhere.
- These *LED lights* can still be used where 240 Volt power is available, but have the major advantages of dramatically improved energy savings and long life.
- Last longer. *LED Lights* can last from 50,000 to 100,000 hours.
- The white *LED Lights* create clean attractive light similar to starlight.
- Flexibility, the lights can be used on trees, to profile buildings or provide lighting effects with flashing, pulsing or fading lights of any colour.

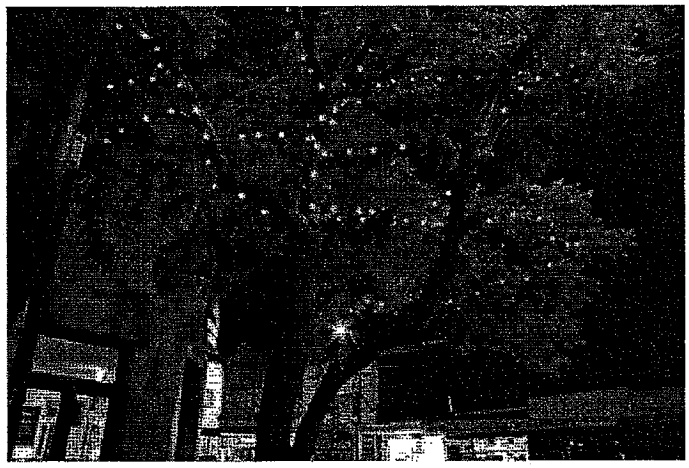
The Environment Shop supplies a range of systems from simple domestic sets for under $50 to large tree lighting systems costing thousands of dollars. Please note the larger tree systems are built to order. Prices are indicative only and would have to be confirmed with a quotation. The Environment Shop can also offer a full installation service of both the solar and LED light components.

Medium Tree LED Light Kit (No Solar)
This system consists of 5, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $450

Large Tree LED Light Kit (No Solar)
This system consists of 15, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $1,200

Medium Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 5, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $1,600

Large Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 15, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $2,500



Building LED Solar Light Kit
This system is specifically designed to be used in architectural applications. It could be used on a building to outline its shape, to provide a colourful display, to spell out a message or any other applications. It consists of a photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 50 metres of lights with cables. It can be used in any location. This price does not include installation. Smaller and larger kits are available.
approx $2,000

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BROWN AND SON ELECTRICAL

- New installations and repair to power point outlets internal or external.
- safety switches on the power and lighting circuits.
- Installation and repair of exhaust fans.
- Installation of all types of Ceiling sweep fans / Fan Lights.
- New installation and repair of lighting, including New points, sensor lights, low voltage garden lighting, Floodlighting.
- Installation of Light fittings.
- New installation of Range or Wall Oven & Hotplate, Replacement of existing cooking equipment.
- Installation of heavy duty power for Air Conditioners
- Installation of new circuits to provide better power distribution, room for additional points etc.
- Replacement of switchboard to update with Circuit breakers, Safety switches etc.
- Surge protection to the home or Office

Contact Us

0415 556 247

Only fit Light fittings

8

CTM ELECTRICAL SERVICES

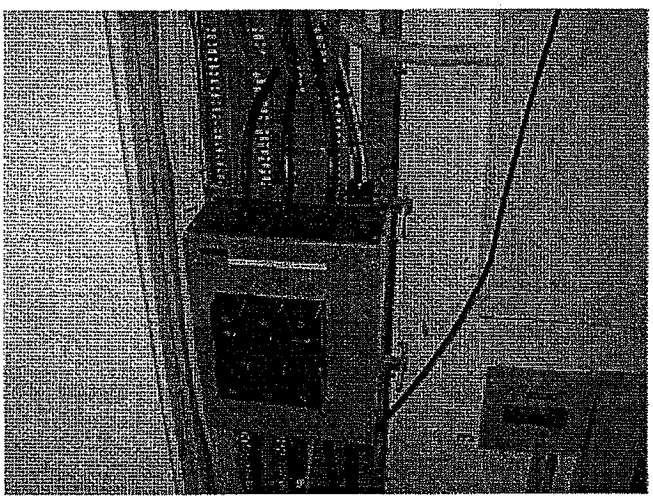
ELECTRICIANS SPECIALISING in large commercial factories, shops, restaurants, offices and schools etc...

REC 16272
ABN 43 590 680 417

CTM Electrical Services has been built up around the industry with it's tradesmen fully licence and having a can do attitude.

CTM Electrical Services has over 20 years of combined experience through out Melbourne and outer suburbs ensuring our clients receive a top quality electrical service they come to expect.

Currently CTM Electrical Services are contracted for maintaining 30 shopping centre's, 10 Commercial factories along with exit and emergency systems, log books, testing and tagging systems for 20+ companies through out Melbourne's industrial areas.



Our services include (but not limited to):

- Rewiring of houses and commercial buildings
- Switchboard upgrades & safety switches
- All facets of electrical installation and maintenance
- Residential and Commercial Electrical Inspections across Melbourne
- Commercial electrical maintenance contracts
- School electrical maintenance contracts
- Industrial building's electrical installation
- 24hr emergency electrical services by prior arrangement

Call for a FREE quote
Ph: 0413 298 081

or fill in the online quotation form in the "Request a Quote" section of this website.

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Website Designer and Hosting by Digital Exposure

only Install Electric Stations

7

OZ Party Hire Pty. Ltd.
Head Office: 56 Keon Parade Reservoir Vic. 3073
Ph: 9462 4322
Fax: 9462 6066
Email: info@ozpartyhire.com.au

Greensborough - 9434 2221
Doncaster - 9848 3225
Coburg - 9354 3611
Essendon - 9370 1817

...servicing all of Melbourne metropolitan and Victoria.

"Quality event equipment,
on time and at competitive rates..."

We support:

REGISTERED Building Practitioner

Home - About - Price - Products - Gallery - Suppliers - Employment - Contact Us

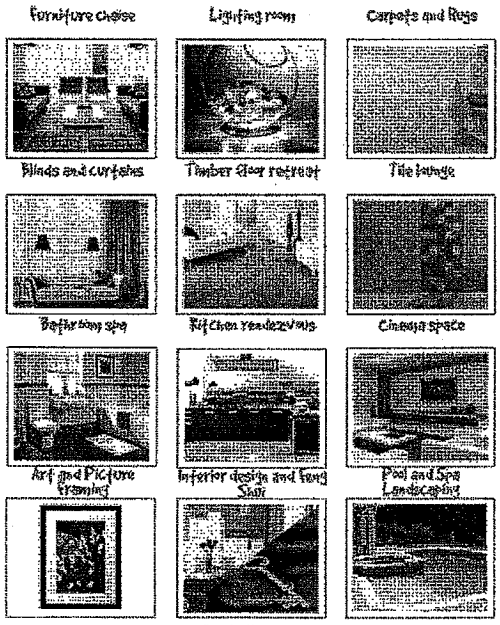
Buy From Imports

6

Welcome to Five Kings

Grab a Coffee, relax and start researching for your new furniture, curtains & blinds, lighting, kitchen revamp, bathroom upgrade, carpets, tiles and timber floors in Melbourne. Find a bargain, find that piece, or simply let your mind go wild with all the designs and colours on offer

When you have clicked into a site and found what you want just make a call or drop in to a local store. If your renovating an existing home or building a new home or simply refurbishing this is the place to start and finish. And remember, Relax it's all here in one place. links



Home | Furniture chaise | Lighting room | Tile lounge
Bathroom spa | Timber floor retreat | Carpet café | Blinds and curtains swarae Kitchen rendezvous | Cinema space | Art and Picture Framing | Interior design and Feng Shui | Pool and Spa Landscaping | About Us | Contact Us

Web Design Melbourne by Tyranny

Buy From Importers

4

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

Hours [ ] Minutes [ ]

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name	Australian Business Number (A.B.N.)
Mercator Lighting	23005946958
Postal Address	
P.O. Box 66. Dallas. Victoria. 3047.	
Applicant's Reference	**Owner Code *(if applicable)***
Mercator	23005946958
Company Contact s47F	**Position Held** s47F
Telephone Number s47F	**Facsimile Number** 0393026262

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above")	A.B.N.
As Above	
Postal Address	
Importer's Reference	**Owner Code**
Company Contact	**Position Held**
Telephone Number	**Facsimile Number**

AGENT/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
Consolidated Cargo & Customs	48758123229
Postal Address	
P.O. Box 223 Footscray, Victoria. 3011	
Agent's Reference	**Agent's Contact**
Mercator	s47F
Telephone Number	**Facsimile Number**	**E-mail Address**
s47F	0393262600	s47F

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).

(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.

(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
- (ii) described in terms of their intended end use; or
- (iii) declared by the regulations to be goods to which a TCO should not be extended.

Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.

(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 Describe the goods

Lamp Bases, of any Mateial With or Without Lamp Shade Excepr. Wooden.

ILLUSTRATIVE MATERIAL

2 Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.

TARIFF CLASSIFICATION

3 Identify the tariff classification (to 8 figure subheading level) 9405 99 00

Identify the General Duty rate 05 %

If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.

☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 Describe ALL uses (including design uses) to which the goods can be put.

Indoor Ornamental lighting table Standing

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 **Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.**

NO Australian Producer Found.

6 **Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.**

T.C. 9310953,
T.C. 9402179,
T.C. 9402181,

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

T.C. 9310953

T.C. 9402179

T.C. 9402181

DECLARATION

I, s47F

Position Held s47F

Company (if applicable) Consolidated Cargo & Customs Services

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

Signature of Applicant/Agent/Broker s47F

Date 23-2-2009

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

- posting it by prepaid post to the
  National Manager, Tariff Branch
  Australian Customs Service
  Customs House
  5 Constitution Avenue
  CANBERRA ACT 2601

  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

  or
- e-mailing it to tarcon@customs.gov.au.

MONTANA A83111S

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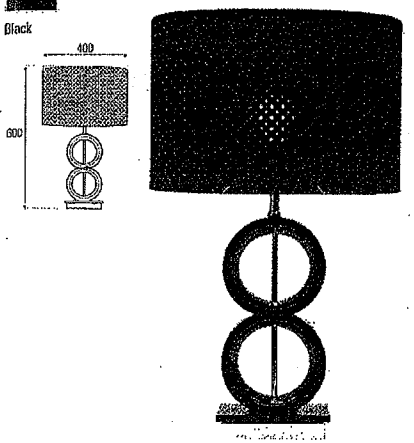

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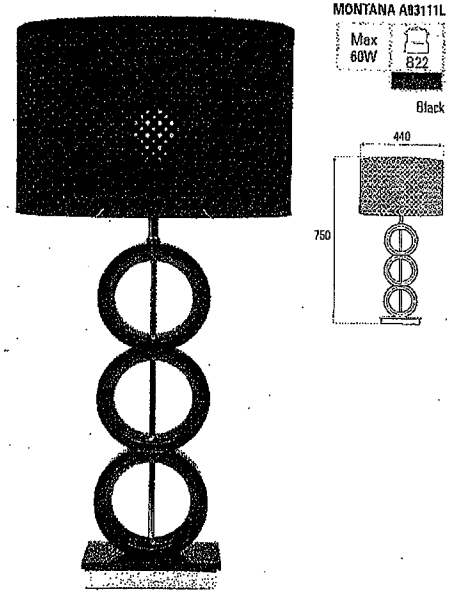

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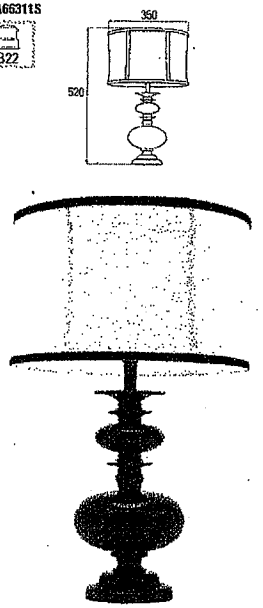

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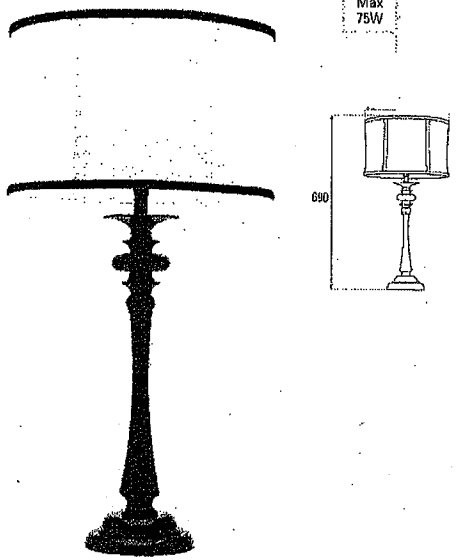

BASES & SHADES

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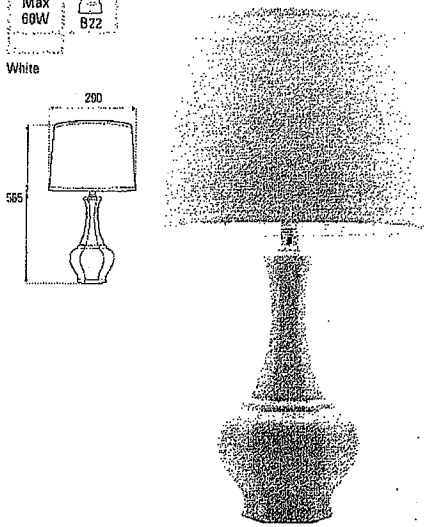

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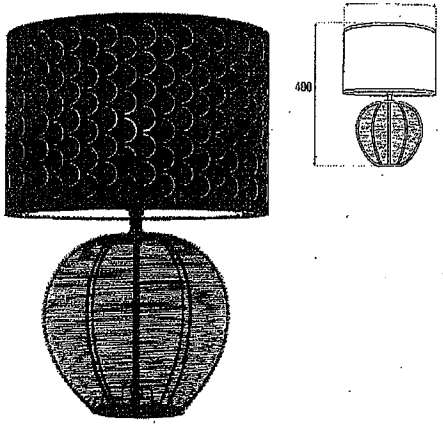

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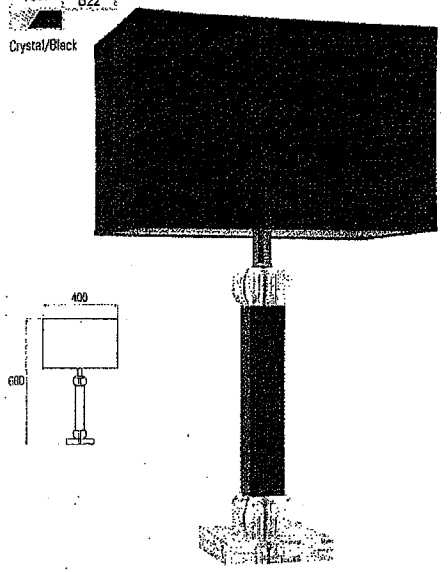

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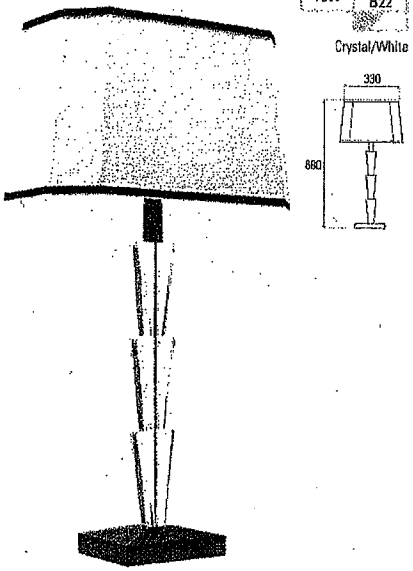

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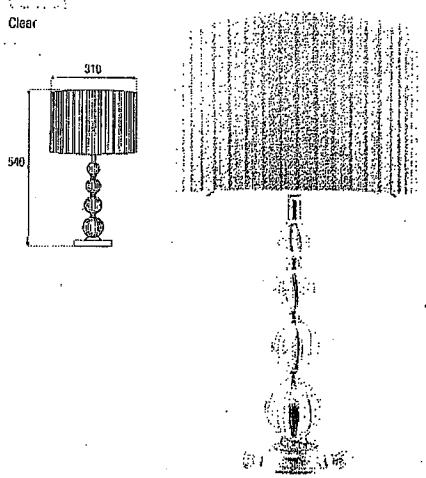

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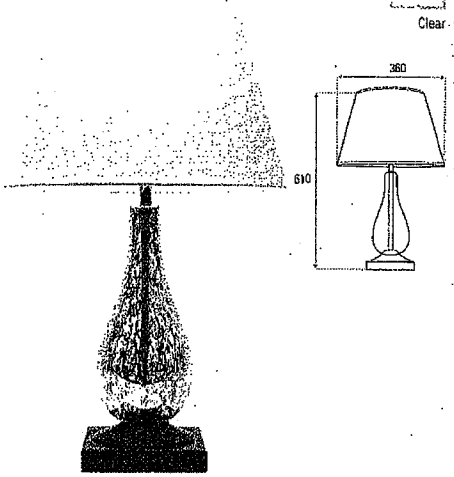

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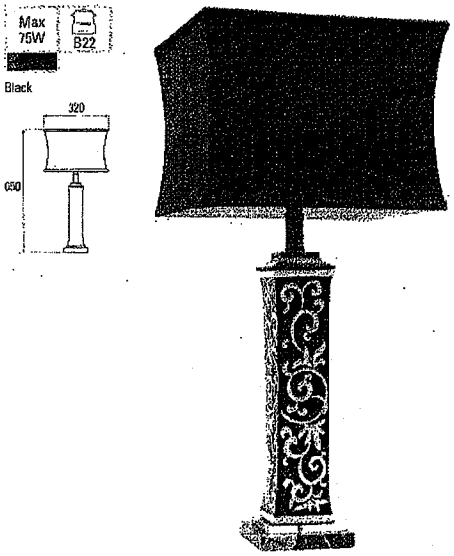

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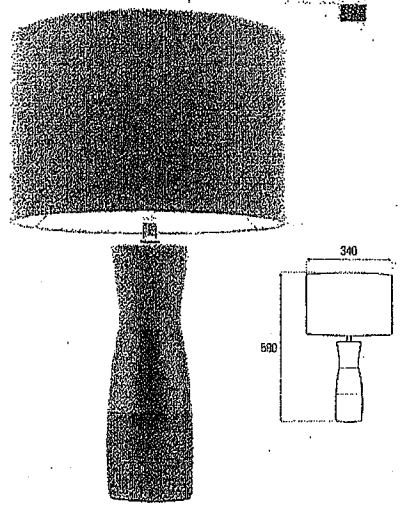

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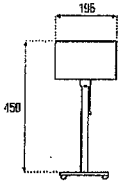

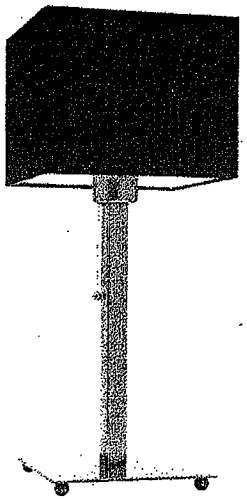

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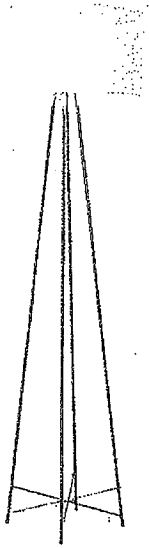

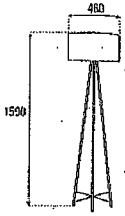

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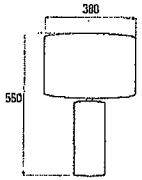

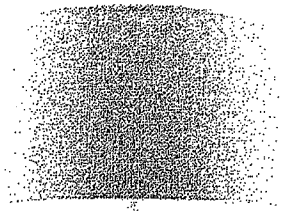

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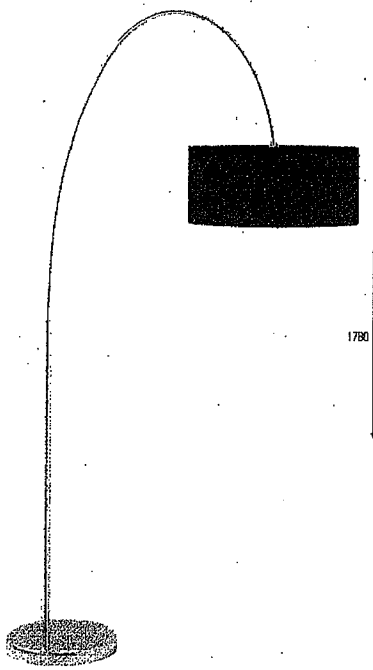

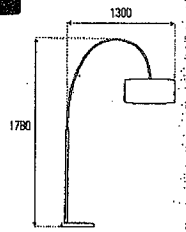

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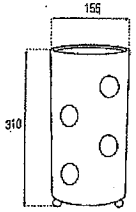
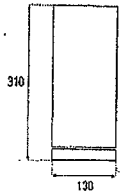


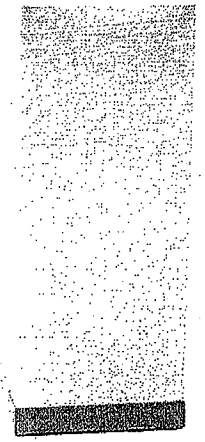
RIVIERA A98411

Max 60W | E27

Brushed Chrome

touch lamp

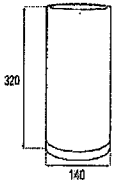


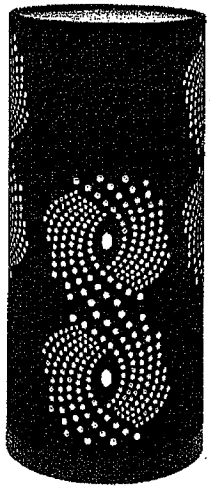


AMICO A47611

Max 60W | B22

Beige
Black

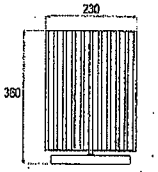


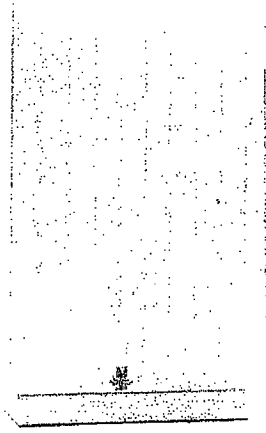


PIANO A25911

Max 60W | B22

Beige
Black



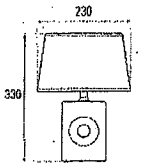


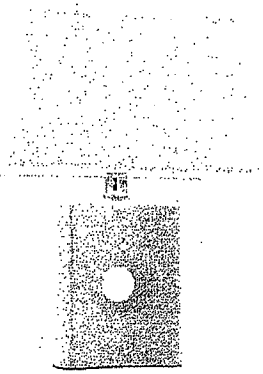
BASES & SHADES

ANNA A53111WHT

Max 40W | B22

White

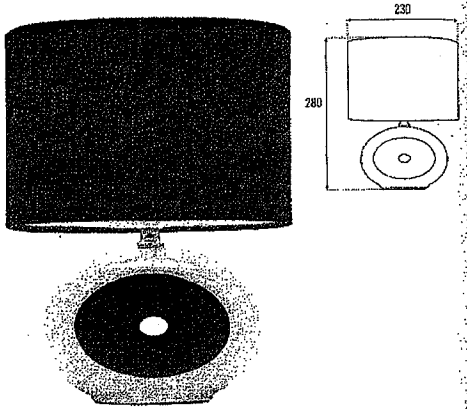




JUNO A53311

Max 40W | B22

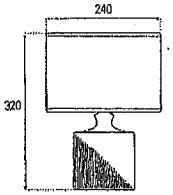
White/Brown

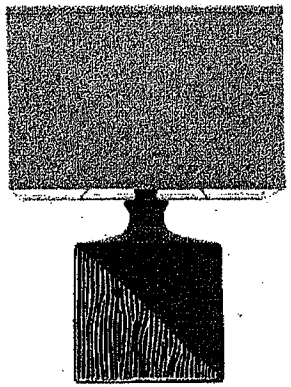


ARGO A47211S

Max 40W | B22

Chocolate

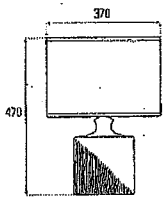


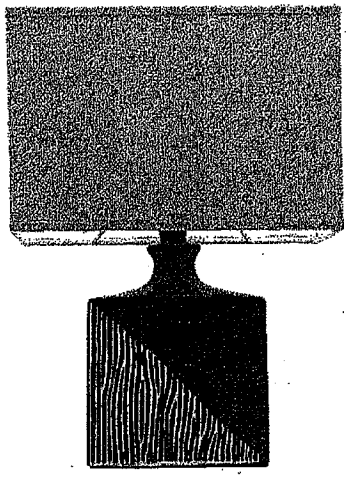


ARGO A47211L

Max 60W | B22

Chocolate

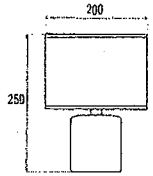


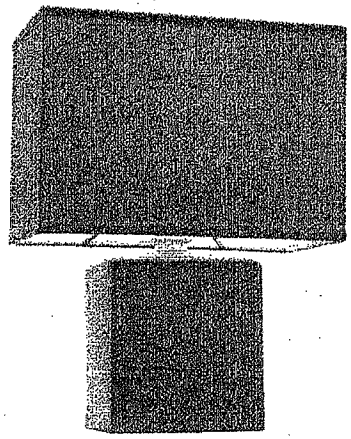


DYLAN A41511

Max 40W | B22

Purple
Brown
White

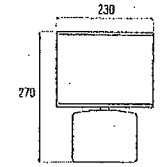


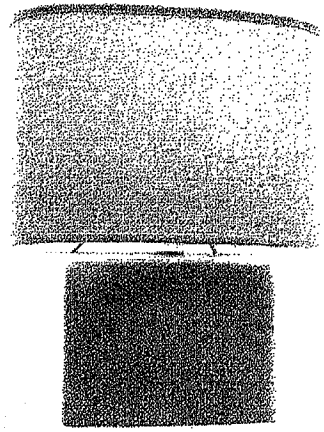


BRANDON A41311

Max 40W | B22

Green
Blue
Cream

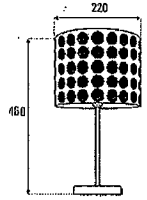


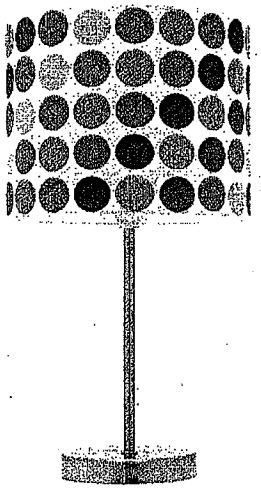


SPOTS A63611S

Max 60W | B22

Brushed Chrome

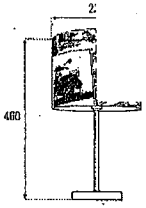




CARTOON

Max 60W

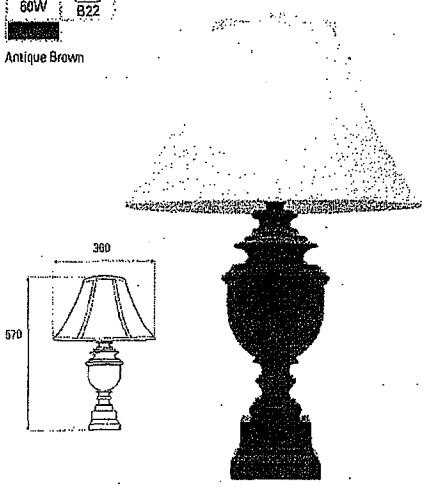
Brushed



ANTIQUE A81911

Max 60W | B22

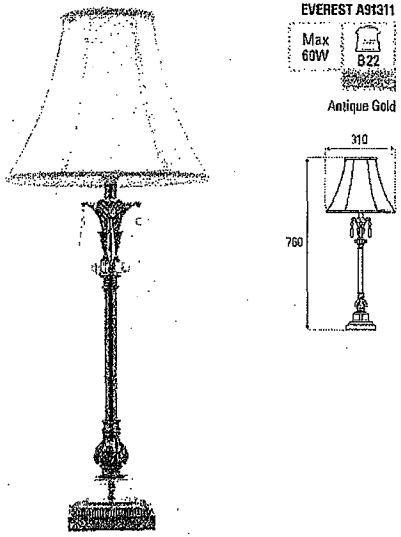
Antique Brown



EVEREST A91311

Max 60W | B22

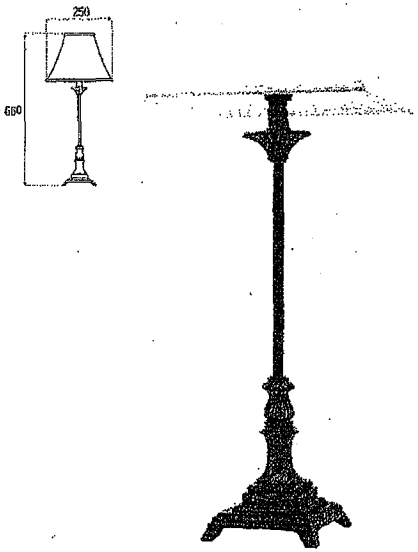
Antique Gold



YALE A92911

Max 60W | B22

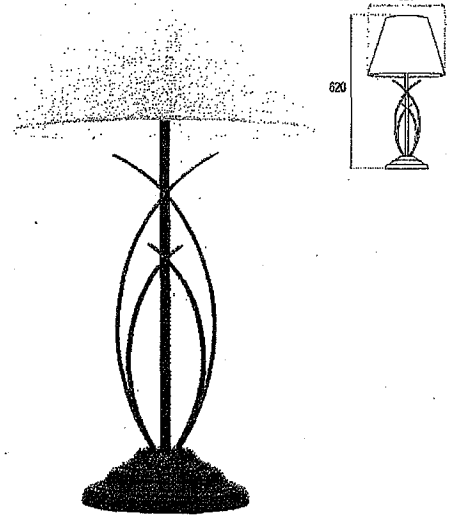
Antique Bronze



GRANADA A10111

Max 80W | B22

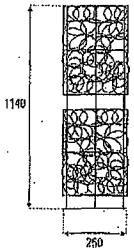
Wrought Iron

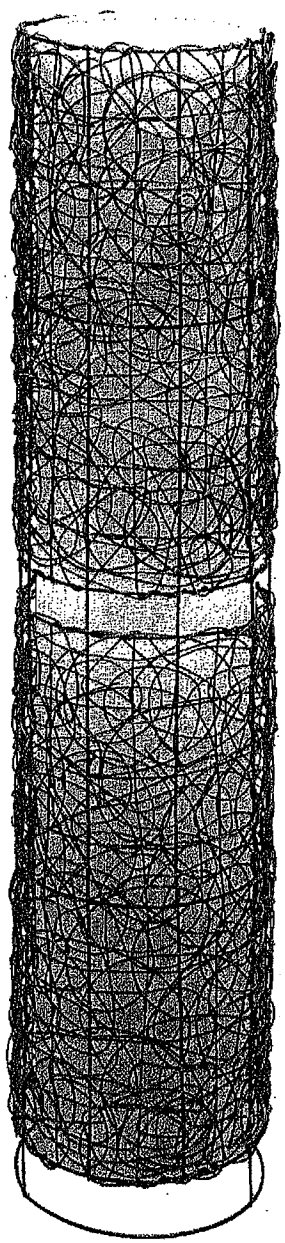


MAIKO A10921L

Max 60W | B22

Woven Cane





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See Pendants Section

MAIKO A10931M

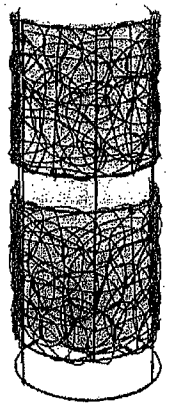
MAIKO A10931L

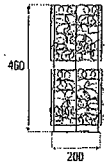
MAIKO A10971S

MAIKO A10911S

Max 60W | B22

Woven Cane

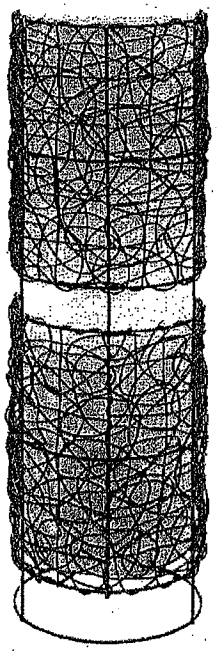


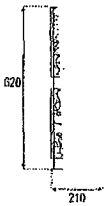


MAIKO

Max 60W

Wo





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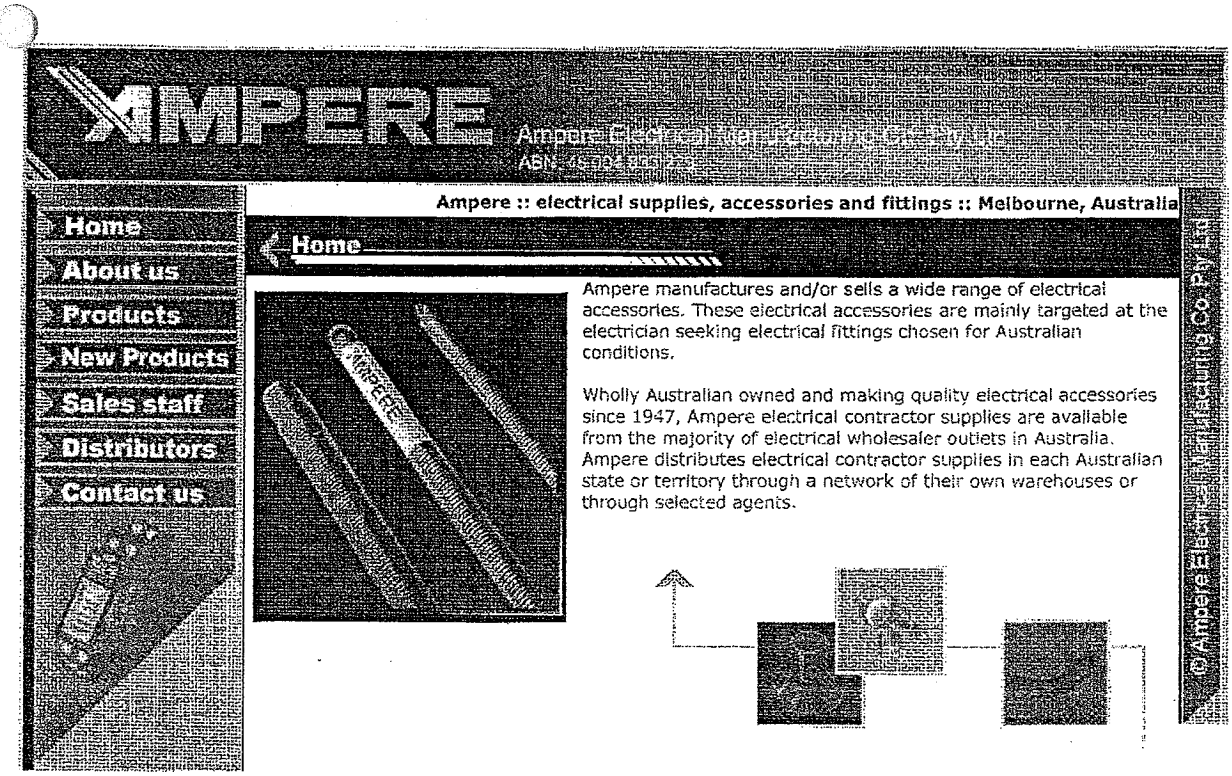
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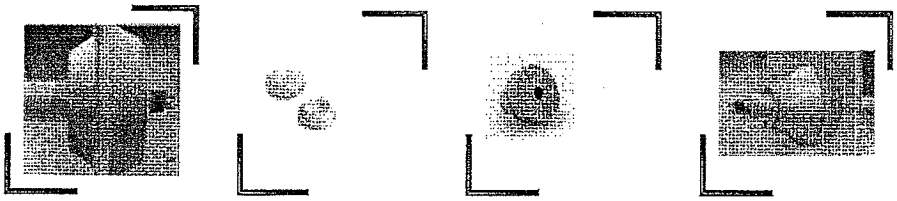
New & Featured Products



Klikseal Flexiseal Rutaseal Light Rutaseal

The electrical accessory & fittings range includes:

Lighting Products that include battenholders and lampholders.
Cable holding and protection products that include plastic conduit bushes and stops and nylon cable glands.
Connectors including strip connectors, single screw connectors and double screw connectors.
Cable and conduit securing products including Quiklip™ plastic cable clips and "Suregrip" metal half saddles.
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Conduit plastic fittings including junction boxes and couplings.
PVC Insulation Tape Duct Tape and Self Fusing Tapes.
P&N cutting tools, drills, holesaws, spade bits and auger bits.
Safety equipment including safety spectacles.

Don't Produce Complete Light Fittings

In addition to the range of electrical products for the electrical contractor Ampere have a range of products designed to supply Original Equipment Manufacturers especially lighting manufacturers. Lighting equipment manufactures or other OEM's are invited to contact either the Ampere HO or the rep in their area for further information about electrical accessories designed specifically for their industries.

Electricians when calling at their wholesalers should specify Ampere electrical contractor supplies for great value products made/distributed by a wholly owned Australian company with a reputation for quality and value.

Our range of electrical accessories is constantly being upgraded and expanded. We attempt to upgrade this website every 3 to 4 months with releases of new electrical contractor supplies being shown on a separate "New Product" page. Click here to go to our New Products page & to view our Featured

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Products.

Copies of Australian Approvals for electrical accessories requiring them are available from Ampere Head Office on request.

So remember when you want value electrical accessories always specify Ampere.

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Buys from Importers

Energy Efficient Lighting

At **The Environment Shop**, we specialise in *Energy Efficient Lighting*. We stock a wide range of lamps and fittings for home, garden, office and retail and can source almost anything you can imagine. We have energy efficient alternatives for standard light globes, halogen downlights, outdoor lighting, garden lighting, older fluoro lamps and fittings including ballasts, industrial and factory lighting including mercury vapour alternatives, office lighting, display lighting and other specialist and detailed lighting challenges.

Our knowledgable staff can advise you on the options available to replace your current inefficient lighting, or help you with a lighting plan for your new home, extension or renovation, ensuring you the lowest running costs and lighting that is beautiful as well as practical.

Lighting Design

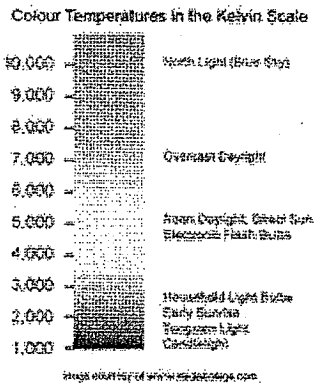
We offer a lighting design service for new buildings and renovations. Call us to organise an appointment, then bring in your house plans and ideas and we will talk through them and come up with a lighting solution that is practical, beautiful and most importantly, efficient. Shortly after the meeting we will email you a formal copy of the lighting plan. Typical pricing for a family home is $250, which also entitles you to a discount on light fittings bought through us.

Lighting Efficiency

The amount of energy used by lighting in Australian households is increasing, mainly due to larger house sizes and the proliferation of halogen downlights. It is possible to decrease the amount of energy used by your lights by up to 80% without affecting your light levels or quality. In fact many energy efficient lights provide better light coverage and quality than traditional lights.

Energy efficient lighting does not mean lower quality or less options. In fact, with modern technology such as LEDs, CFLs, micro fluoros such as the Megaman range and cold cathode fluorescent lamps, it is possible to light your home, garage, driveway, garden, shack, factory or shop in ways that we could only dream about in the past. Their low power consumption, lower operating temperatures, long operating life and versatile size and packaging means you can fit energy efficient lamps just about anywhere you need light, for practical purposes or for decoration. Low energy consumption also means it is much more viable to power lighting from renewable sources such as solar electricity, especially in areas that have no power available, such as sheds, gardens and remote areas.

FIRSTLY, SOME IMPORTANT DEFINITIONS



Watts – the wattage of a lamp indicates the rate at which it consumes electricity. A 12V lamp does not necessarily use less power than a 240V lamp, you have to compare the watts. E.g. a standard 12 Volt halogen lamp is 50 Watts, four of these in a room equals 200 Watts, not including losses in the transformers.

Lumens – are a measure of the luminous flux, basically the amount of light output by a lamp. You can directly compare the brightness of different types of lamps by comparing their output in lumens and you can get a good idea of the efficiency of a lamp by looking at the lumens/watt.

Colour Temperature – is an indicator of the colour of the white light emitted by a lamp. Incandescent lamps are usually very warm, with a slight yellow/orange tint to the light. Older style fluorescent lamps tended to be very cool with a bluish tinge that is very practical to work by not very flattering. Modern cool white fluoros are a nicer shade and are excellent for detailed work and high visibility. Modern fluoro lamps come in a range of colour temperatures. Warm white is best for living areas, cool white is best for work areas such as kitchens. Colour temperature is measured in Degrees Kelvin. Warm white is typically 3500k or less, cool white is 4000k-6500k and daylight is 6500k+

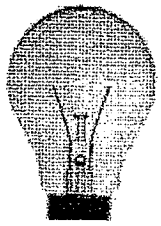
TYPES OF LAMPS AND THEIR ALTERNATIVES

INCANDESCENT LAMPS

Incandescent lamps or bulbs are the most commonly used type of lighting. They include the standard everyday light bulbs and halogen downlights. They are typically inexpensive to buy but their lifetime running costs are high.

11

An incandescent lamp works by running electricity through a piece of wire known as the filament until it heats up enough to emit light, literally glowing white hot. This means that a lot of the energy used is lost as heat rather than light, which is both inefficient and dangerous, with halogen downlights responsible for many house fires.



Standard light bulbs typically only last about a thousand hours and must be regularly replaced, which can be very costly, dangerous or just outright annoying in difficult situations such as high ceilings.

Incandescent lamps are most suitable for areas where lighting is used infrequently and for short periods, such as laundries and toilets and also harsh environments such as inside fridges and ovens. Even though they are inefficient users of energy, incandescent lamps can still be the most suitable choice for certain situations.

COMPACT FLUORESCENT LAMPS

The best alternative to the standard lightbulb in most situations is the compact fluorescent lamp, or CFL. First invented during the oil crisis of the 1970s, they have become commonly available in the last few years and provide very good quality light with up to 80% less energy use than an equivalent incandescent light bulb.

Most of our Compact Fluoro Lamps use spiral tubes, which provide a better distribution of light and are more compact and better looking than the more common linear tube lamps.

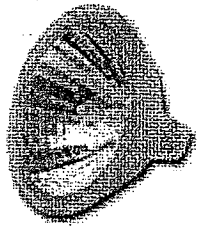
CFLs work by creating an arc that causes a phosphor on the inside of the tube to glow. There is some circuitry inside the base that controls the arc and stops the lamp flickering at switch on like in older fluoro lamps.

The main issue with compact fluorescents is the large amount of energy and materials that goes into manufacturing a lamp compared to an incandescent. This is known as embodied energy. The much longer typical lifetime of a CFL means that the greater embodied energy is more than made up for by the energy saved during use. The problem appears when the lamp doesnt last as long as it should.

The answer to this is to buy a good quality CFL and make sure it is used appropriately. CFLs dont like electronic switches such as sensor lights and most are not compatible with dimmers. We have high quality Dimmable CFLs available.

HALOGEN LAMPS

Halogen downlights have become very popular over recent years. They are usually low voltage systems, which many people have interpreted as low power. This is not true.



Because of the directional nature of the halogen downlights, more fittings are needed to light up a room compared to traditional light globe batten fittings. Typical downlights use a 50watt lamp and a transformer that can use as much as 10-15 watts more, for a total of up to 65 watts per fitting. With 6 fittings per room, this can add up to 390 watts. The same amount of light can be provided by two 20 watt CFL lamps in batten fittings. Count the number of halogen downlights in your house and add up the watts!

Halogens are also a fire hazard. The filaments in halogen lamps rise to about 2500°C and the bulb wall is about 500°C. We have measured the external temperature of our display halogen lamps at over 200°C in open air. The temperature at which paper will ignite without a spark or flame is around 230°C. This means that if insulation is pushed against the lamp fitting or rodents drag nesting materials around in your roof a fire can very easily occur.

We highly recommend products such as the Isolite downlight cover and the TENMAT Fire-rated downlight covers to protect your downlights. These products will also make your home more efficient by stopping the thermal chimney effect, caused by the hot air being drawn through the lamp fitting and into the roof space.

If you are renovating or designing a new home we highly recommend you do not install downlights, there are better ways of lightng a room. However, many people already have many downlight fittings in their home, or simply prefer the appearance.

We offer several efficient downlight alternatives.

HIGH EFFICIENCY AND LOW WATTAGE HALOGEN LAMPS

The simplest alternative is to replace your existing halogen lamps with

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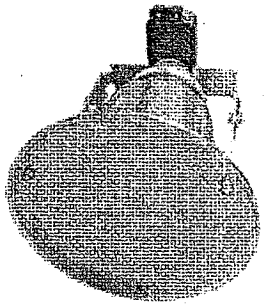
the more efficient IRC lamps. They are identical to standard halogens, except that the bulb has an Infra Red Coating which reflects some of the heat back into the filament.
As a result a 35 watt lamp can produce as much light as a 50 watt lamp. Lamp life is also extended to 4,000 hours. These lamps will save up to 30% of energy compared to a standard halogen.

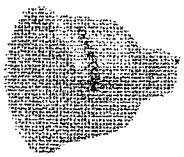
It is also worth considering replacing some of your lamps with a lower wattage where light levels are too high. E.g. Replace a 50w standard halogen with a 20w IRC halogen.
This option is ideal for renters and others who cant afford or may not want to change their light fittings. However, the fire hazard still remains and much greater energy savings can be made with other options.

CFL DOWNLIGHT FITTINGS

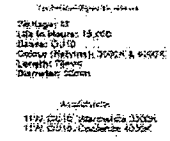
The best alternative we have found for replacing standard 50W halogen downlights is a 15W Compact Fluoro lamp in a fitting specially designed for CFLs. Dont try putting CFLs into fittings designed for incandescent lamps, the reflector needs to be different to efficiently get the light out. We have a range of downlight fittings designed specifically for CFLs available in different sizes, shapes and finishes. You can see them here.



MICRO FLUOROS



Micro Fluoro Lamps use the same technology as Compact Fluoro Lamps but in a smaller package, designed to fit into a standard downlight lampholder. Most use the 240V GU10 two pin fitting the same as 240V halogen lamps. This means that you can directly replace any 240V halogens you have, but you will have to remove the transformer and add a GU10 adaptor to your existing fittings if you are replacing 12v halogens. As this is fixed wiring it requires a licensed electrician, but it is a simple job and shouldnt take them long.



The compact size means that the maximum wattage we have available at the moment is 11w, roughly equivalent to a 50w halogen. However the light quality is a little different. Halogen downlights tend to throw a very directed beam of light that is tightly focussed in the centre, while fluoro lamps tend to spread the light very evenly across a wide angle. An 11w micro fluoro lamp emits the same amount of light as a 50w halogen, however the light is spread more evenly and there are no bright spots to grab the eyes attention. This means that we perceive the light levels as being slightly lower than with halogens. If you want the same perceived light levels, you will need to install additional light fittings.

LEDs

LEDsor Light Emitting Diodes are semiconductor devices which emit light. They can potentially have a very long life (100,000 hours), offer reasonably high efficiencies and are compact, very rugged and highly controllable for both colour and brightness.

Currently, LEDs tend to be very focussed light sources and there are limitations on the power output levels, so they are not very practical for room lighting. (Yet!) However, they are ideal for display and task lighting, where the object to be lit is close to the light source. They make excellent workbench lamps in a kitchen or workshop and are ideal for lighting up works of art.

The range of fittings, colours and brightness levels available mean that LEDs have amazing potential for decorative lighting, whether in your garden, in a shop, around the house, for art or on your christmas tree.
Technology is moving very rapidly in this area, so it is hard for us to keep the website up to date. Please call or email us if you are interested in using LEDs, we can source a very wide range and always have several types in stock and on display.

SOLAR BUD LIGHTING

Recent technological advances have made it possible to use *Solar Powered LED* (Light Emitting Diodes) lights for exterior decorative lighting. The result is much lower power consumption, longer life and when powered with solar panels, zero green house gas emissions. The use of solar power also means total flexibility in locating the lights, as no 240-volt power is required.

Solar Bud Lighting (Solar Fairy Lights/Solar Christmas Lights) can add magical sparkle to trees and buildings in public places. However of all the forms of public lighting it is by far the most energy inefficient. Those little glowing bulbs are designed for long life rather than efficiency. They are very wasteful, producing much more heat than light. In fact, conventional bud lighting produces 2 or 3 lumens per watt compared to about 15 lumens per watt for standard incandescent lamps.

Advantages

9

- Uses less energy. Can be as low as 5% of conventional bud lighting.
- No greenhouse gas emissions when run by solar power.
- Light can go anywhere. No 240 Volt power is required, so the light can go in the middle of parks, on buildings, anywhere.
- These *LED lights* can still be used where 240 Volt power is available, but have the major advantages of dramatically improved energy savings and long life.
- Last longer. *LED Lights* can last from 50,000 to 100,000 hours.
- The white *LED Lights* create clean attractive light similar to starlight.
- Flexibility, the lights can be used on trees, to profile buildings or provide lighting effects with flashing, pulsing or fading lights of any colour.

The Environment Shop supplies a range of systems from simple domestic sets for under $50 to large tree lighting systems costing thousands of dollars. Please note the larger tree systems are built to order. Prices are indicative only and would have to be confirmed with a quotation. The Environment Shop can also offer a full installation service of both the solar and LED light components.

Medium Tree LED Light Kit (No Solar)
This system consists of 5, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $450

Large Tree LED Light Kit (No Solar)
This system consists of 15, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $1,200

Medium Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 5, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $1,600

Large Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 15, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $2,500

Building LED Solar Light Kit
This system is specifically designed to be used in architectural applications. It could be used on a building to outline its shape, to provide a colourful display, to spell out a message or any other applications. It consists of a photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 50 metres of lights with cables. It can be used in any location. This price does not include installation. Smaller and larger kits are available.
approx $2,000

BROWN AND SON ELECTRICAL

- New installations and repair to power point outlets internal or external.
- safety switches on the power and lighting circuits.
- Installation and repair of exhaust fans.
- Installation of all types of Ceiling sweep fans / Fan Lights.
- New installation and repair of lighting, including New points, sensor lights, low voltage garden lighting, Floodlighting.
- Installation of Light fittings.
- New installation of Range or Wall Oven & Hotplate, Replacement of existing cooking equipment.
- Installation of heavy duty power for Air Conditioners
- Installation of new circuits to provide better power distribution, room for additional points etc.
- Replacement of switchboard to update with Circuit breakers, Safety switches etc.
- Surge protection to the home or Office

Contact Us

0415 556 247

Only for Lighting

7

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ELECTRICAL SERVICES

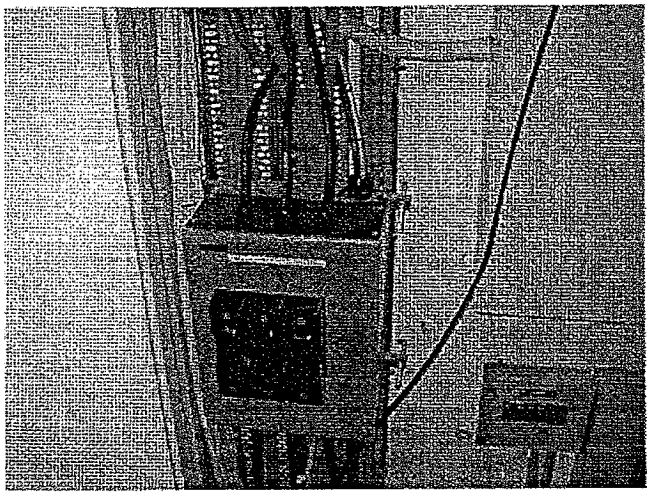
ELECTRICIANS SPECIALISING in large commercial factories, shops, restaurants, offices and schools etc...

REC 16272
ABN 43 590 680 417

CTM Electrical Services has been built up around the industry with it's tradesmen fully licence and having a can do attitude.

CTM Electrical Services has over 20 years of combined experience through out Melbourne and outer suburbs ensuring our clients receive a top quality electrical service they come to expect.

Currently CTM Electrical Services are contracted for maintaining 30 shopping centre's, 10 Commercial factories along with exit and emergency systems, log books, testing and tagging systems for 20+ companies through out Melbourne's industrial areas.



Our services include (but not limited to):

- Rewiring of houses and commercial buildings
- Switchboard upgrades & safety switches
- All facets of electrical installation and maintenance
- Residential and Commercial Electrical Inspections across Melbourne
- Commercial electrical maintenance contracts
- School electrical maintenance contracts
- Industrial building's electrical installation
- 24hr emergency electrical services by prior arrangement

Call for a FREE quote
Ph: 0413 298 081

or fill in the online quotation form in the "Request a Quote" section of this website.

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Website Designer and Hosting by Digital Exposure

only Install Electric Stations

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OZ Party Hire Pty. Ltd.
Head Office: 56 Keon Parade Reservoir Vic. 3073
Ph: 9462 4322
Fax: 9462 6066
Email: info@ozpartyhire.com.au

Greensborough - 9434 2221
Doncaster - 9848 3225
Coburg - 9354 3611
Essendon - 9370 1817

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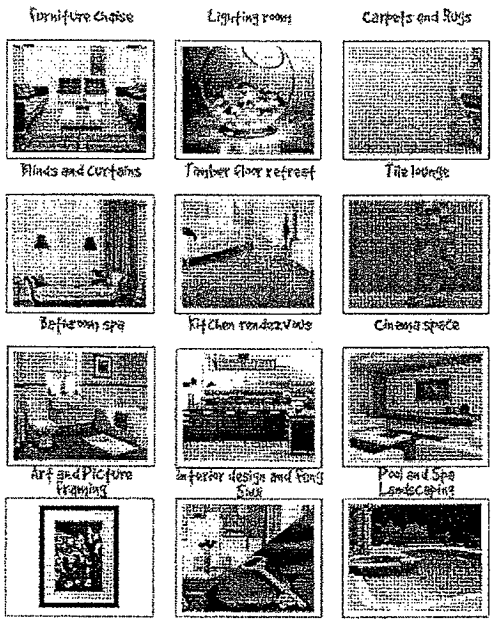
Buy From Imports

5

Welcome to Five Kings

Grab a Coffee, relax and start researching for your new furniture, curtains & blinds, lighting, kitchen revamp, bathroom upgrade, carpets, tiles and timber floors in Melbourne. Find a bargain, find that piece, or simply let your mind go wild with all the designs and colours on offer

When you have clicked into a site and found what you want just make a call or drop in to a local store. If your renovating an existing home or building a new home or simply refurbishing this is the place to start and finish. And remember, Relax it's all here in one place. links



Home | Furniture chaise | Lighting room | Tile lounge
Bathroom spa | Timber floor retreat | Carpet café | Blinds and curtains swarae Kitchen rendezvous | Cinema space | Art and Picture Framing | Interior design and Feng Shui | Pool and Spa Landscaping | About Us | Contact Us

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Buy from Importers

4

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

Hours Minutes

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the Internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name: Artcraft Superlux Pty Ltd	Australian Business Number (A.B.N.): 64070268352
Postal Address: PO Box 2609, Taren Point NSW 2229	
Applicant's Reference: TC2009-2	Owner Code *(if applicable)*
Company Contact: s47F	Position Held: s47F
Telephone Number: s47F	Facsimile Number: 02 8396 0049
E-mail Address: s47F	

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above"): As Above	A.B.N.
Postal Address	
Importer's Reference	Owner Code
Company Contact	Position Held
Telephone Number	Facsimile Number

T/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
BCR Australia Pty Ltd	67 000 711 197
Postal Address	
PO Box 7090, Alexandria NSW 2015	
Agent's Reference	**Agency Contact**
TC2009-2	s47F
Telephone Number	**Facsimile Number**	**E-mail Address**
s47F	02 8396 0049	s47F

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).
(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.
(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
  (i) described in terms other than in generic terms; or
  (ii) described in terms of their intended end use; or
  (iii) declared by the regulations to be goods to which a TCO should not be extended.
Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.
(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 **Describe the goods**

DOWNLIGHTS, SELF BALLASTED FLUORESCENT, having all of the following

1) rated CA under NZECP54

2) thermal cut-off protection with auto reset

3) 30/30/30 minutes fire rating ✓

4) recessed

5) maximum lamp size 20W

6) Edison screw lamp holder

ILLUSTRATIVE MATERIAL

2 **Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.**

TARIFF CLASSIFICATION

3 **Identify the tariff classification (to 8 figure subheading level)** 9405.10.00

Identify the General Duty rate 5 %

If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.

☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 **Describe ALL uses (including design uses) to which the goods can be put.**

Domestic interior lighting

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 **Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.**

The Kompass directory and Infolink.com.au were searched under "lighting equipment, low voltage", "lighting equipment, domestic", "ceiling lamps" and "downlights". After extensive enquiries to eliminate retailers, wholesalers and importers contact was made with 5 companies who appear to manufacture lighting equipment locally. These were Crompton, Thorn, Cosmoluce, Pierlite and Lumascape. Replies were received from Crompton and Pierlite indicating no objection. There was no reply from the other 3. In addition the applicant Arteraft Superlux who has extensive market experience is unaware of any other possible local manufacturers. He believes that all the lights that compete with his are also imported.

6 **Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.**

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

DECLARATION

I, s47F | Position Held s47F

Company (if applicable) BCR Australia Pty Ltd

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

s47F

Signature of Applicant/Agent/Broker | Date 10 August 09

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

- posting it by prepaid post to the
  National Manager, Tariff Branch
  Australian Customs Service
  Customs House
  5 Constitution Avenue
  CANBERRA ACT 2601

  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

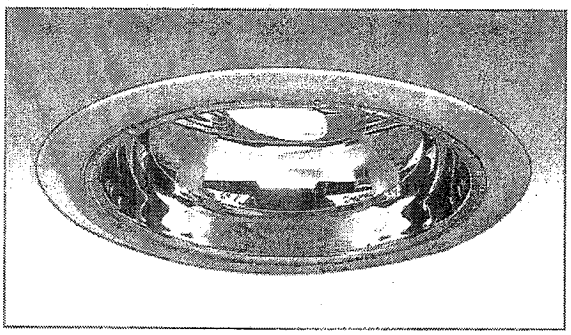
  or
- e-mailing it to tarcon@customs.gov.au.

Thermal cut-off

SD125F Downlights

NZECP 54 Classification CA | Price List p1

NEW | FIRE 30 | Lamp Included | E27 | Max. 20W



THE ENERGY EFFICIENT DOWNLIGHT ESPECIALLY DESIGNED FOR SELF BALLASTED FLUORESCENT LAMPS

DEDICATED ENERGY EFFICIENT

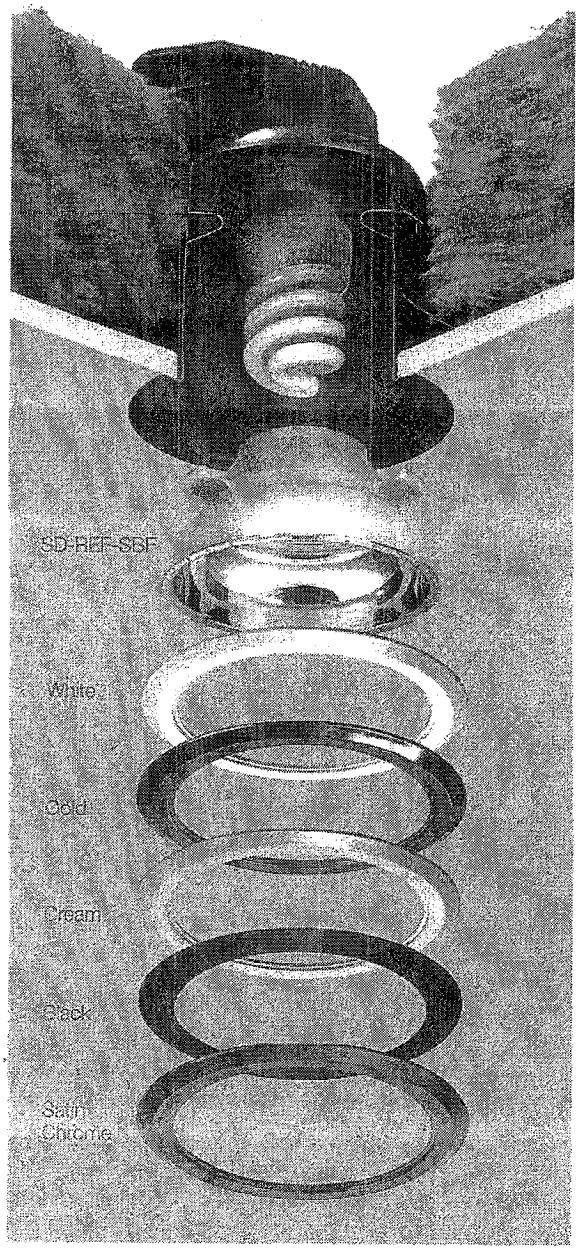
DEDICATED LAMP - only self ballasted lamps can fit into the SD125F.

DEDICATED QUALITY - of light same output as GLS lamps and warm colour rendering.

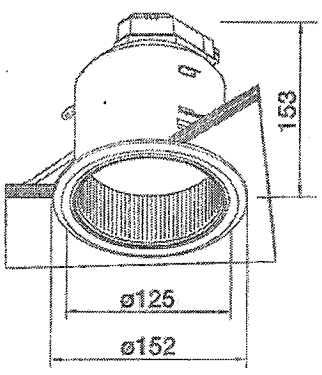
DEDICATED REFLECTOR - is designed to optimise self ballasted lamp characteristics.

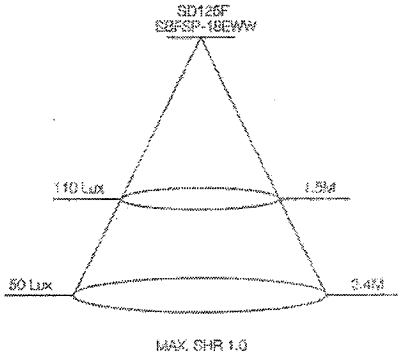
DEDICATED AESTHETICS - attractive low profile ceiling trim as well as a choice of other trim accessories.

DEDICATED COMPLETE SOLUTION - eliminates heat transfer inefficiencies in your home.



- Moisture Transfer Classification - Closed. Sealed construction preventing access of insects and drafts through ceilings.
- Thermal Insulation Classification - Abutted. Ceiling insulated (zero rated) may be abutted up against the SD125 for maximum insulation effectiveness.
- **Fire rated to 30/30/30 minutes**
- Lamp not exposed in ceiling cavity.
- Thermal cut-off and auto reset function for protection against misuse and overloading.
- Complies with AS/NZS60598 electrical safety standard.
- 3 mounting clips to ensure optimum snug fit to ceiling.
- Low light pollution characteristics.
- (RW) STC sound transmission rating.
- Replacement lamp. SBF-K



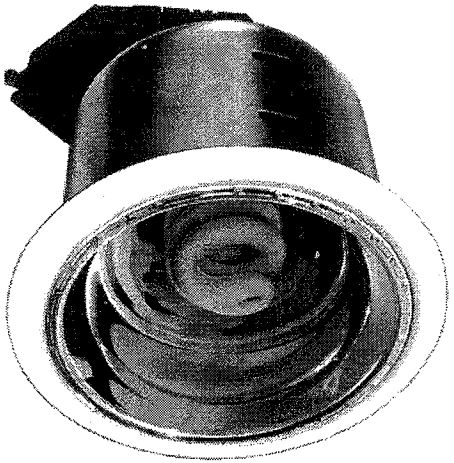


SUPERLUX

superlux

SD125F

Energy Efficient Downlight



DEDICATED ENERGY EFFICIENT

Technical

BASIC INSTALLATION INSTRUCTIONS

Isolate the electrical supply 230-240V, 50Hz.

1. Do not install SD125F on dimmer switch circuit.
2. Cut a 125mm (5") diameter hole in ceiling. Keeping edge of hole 25mm away from any timber or obstructions.
3. Connect power supply to connector block:- Brown-(P), Grn/Yl-(E), and Blue-(N). Clamp cable and snap cover shut.
4. Insert the SD125F body into the ceiling hole and retain by inserting the three retention springs.
5. Screw bulb in, be careful to hold body not spiral.
6. Sit the ceiling ring onto the plastic reflector then lift into the downlight and turn 120° until locked onto the three bumps.

Installation

- Moisture transfer and thermal efficiency = CA
  When using building insulation with zero rated flammability (eg) Fiberglass - this unit will run safely with insulation abutted to it.
- Can be mounted into timber ceiling.
- Maintain at least 25mm clearance from all timber above and to sides.
- An energy saving 60 minute option is available just use Model SD125-FIRE60 and replace reflector with SD-REF-SBF.
  For Acoustic STC55 Ceilings space 1.6M minimum.
  For Acoustic STC57 and 58 space 2.5M minimum.

CAUTION: Recessed Luminaires and their associated equipment may pose a risk of fire or damage to property if not installed and maintained correctly. Refer to NZ Electrical Code of Practice 54 and AS/NZS 3000 before installation of Recessed luminaries and associated equipment

Replacement lamp SBFSP-15EWW Approval No: NSW22253

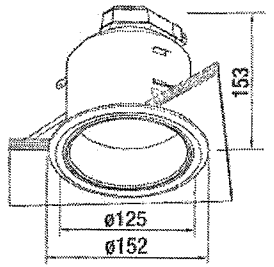
Note: GLS bulbs can not be accidentally fitted into the SD125F

superlux

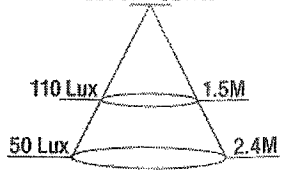
White Ring

SD125F-WH

9 414219 112873



SD125F
SBFSP-15EWW



MAX. SHR 1.0

Z029

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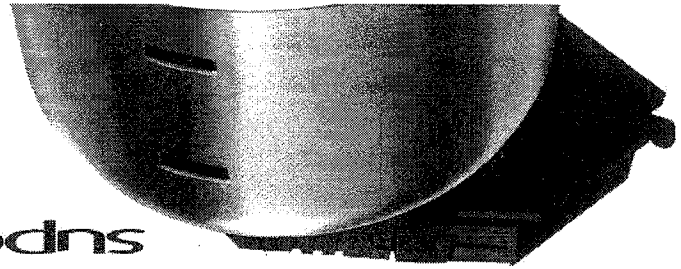
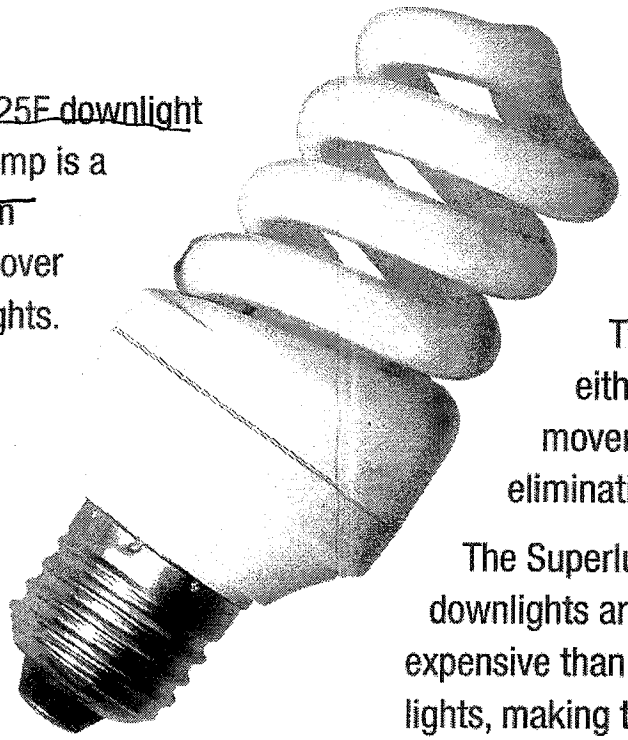


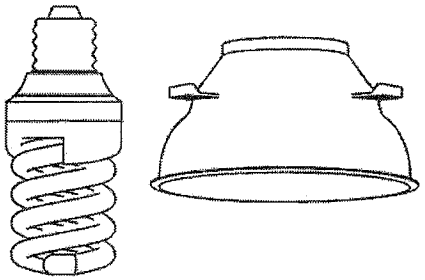
DEDICATED ENERGY EFFICIENT

The Superlux SD125F downlight with energy saving lamp is a dedicated lighting system guaranteed to achieve significant savings over conventional incandescent and halogen lights.

The reflector has been specially designed to extract maximum lighting performance from self ballasted fluorescent lamps (energy saving bulbs), providing light output and warm colour rendering similar to standard GLS bulbs but at a much lower cost.

Compare a house using 20 conventional downlights with one using 20 Superlux SD125F downlights over an 8 hour period per day.





At a 12 cent per kilowatt/hour power charge you will save over $400 per year. As the price of electricity inevitably increases so do the savings!

The savings don't end at the cost of lighting either, the SD125F is sealed preventing air movement from the house into the ceiling, eliminating heat transfer inefficiencies.

The Superlux SD125F energy saving downlights are not significantly more expensive than conventional down lights, making the savings true savings, there is no huge pay back hurdle to overcome.

DEDICATED ENERGY EFFICIENT

SD125F superlux

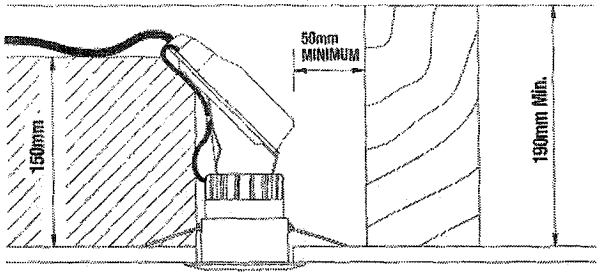
INSTA[illegible]ON

Isolate the electrical supply.

- Cut 75mm hole. Ensure 50mm clear of timber and that the cavity depth is at least 180mm.
- If building insulation is present ensure that it is zero rated (eg) fibreglass.
- Do not push the downlight under the insulation, cut a 75mm hole through it.
- Connect Phase and Neutral wires to L and N terminals. Do not earth.
- Replace Terminal Block cover cable clamp.
- Insert Downlight into the ceiling while holding the 2 spring clips upward.

NOTES

- The cavity must not be smaller than 0.3m³ for a 50W lamp.
- If Thermal cut-off cycles check downlight is not covered nor over-lamped (20W-50W).
- If Dimming ensure the Dimmer is recommended for electronic Transformers.
- Lamps run Hot. Allow to cool before touching.
- Fire Rating : Not fire rated.
- Acoustic Rating: For Acoustic STC 55 Ceilings space 1.6M minimum. For Acoustic STC 57 and 58 space 2.5M minimum.



Hole ø75mm SVE-75

CAUTION: Recessed Luminaires and their associated equipment may pose a risk of fire or damage to property if not installed and maintained correctly.

superlux

Halogen Recessed Downlight

57

25% power savings
HIH lamp included

SVE75

Integrated Construction puts the transformer in the right place

Protected installation
Thermosafe

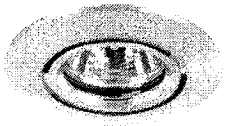
Ceiling Certified Below 90°C
Minimum building insulation thickness

ENGINEERED FOR FIRE SAFETY FOR YOUR PEACE OF MIND

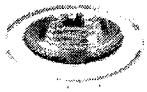
FEATURES

- Designed for H1, high 'R' value batt installations.
- Energy saving High Intensity Halogen 35W lamp included, equivalent light output of 50W old technology lamps.
- Quick and economical installation.
- Integrated Downlight for safer placement of Transformer and supply wires.
- Wide cable entry for looping.
- Thermal cut-off protection with auto reset function. Guards against Installation faults or over-lamping.
- CA classification (Closed Abutted).
- Dimmable.
- 220-240Volt 50Hz ⧈
- Lamp - 12Volt, MR16, GX5.3 20W-50W maximum.

Gold



Silver



Cream

White

Black

✓ Z029

Transformer Approval NSW21045

SVE75

Manufactured in China exclusively for Gartner Superlux Ltd
Design copyright 2000

superlux

Halogen Recessed Downlight

25% power savings
HIH lamp included

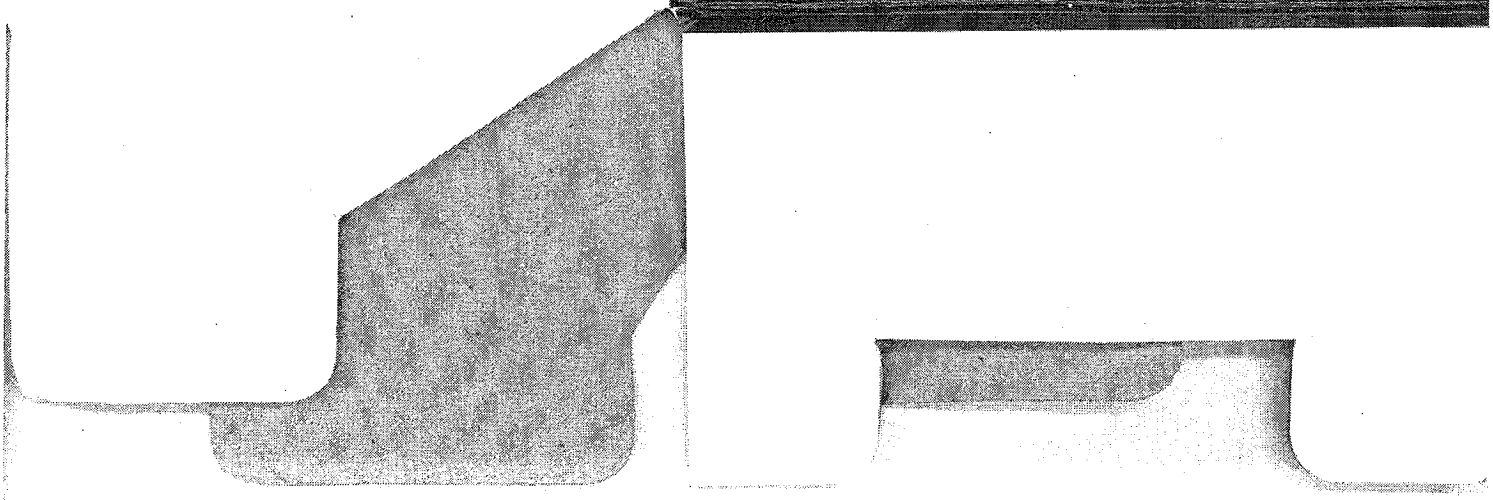
SVE75

Integrated Construction puts the transformer in the right place

Protected Installation
Thermosafe

Ceiling Certified Below 90°C
Mineral building insulation suitable

ENGINEERED FOR FIRE SAFETY FOR YOUR PEACE OF MIND



NLPIP Lighting
Volume 6 Issue 2 September 2002

MR16 Lamps

What are MR16 lamps?

"MR" stands for multifaceted reflector, a pressed glass reflector with the inside (reflecting side) surface composed of facets and covered by a reflective coating. These facets provide optical control by gathering the light from the filament to create a concentrated beam of light. The reflectors of some MR lamps have a smooth inside surface instead of facets, but they are still called MR lamps by convention. Figure 2-1 shows MR16 lamps with different reflector types.

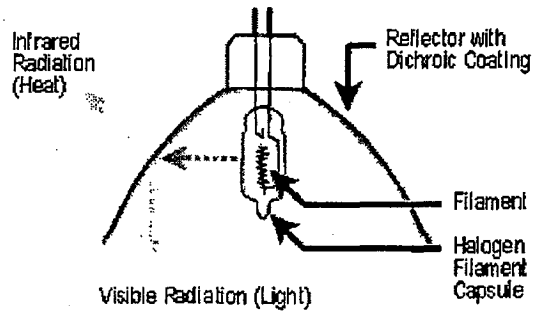
Figure 2-1. MR16 lamps with different reflector designs *

*Incandescent A-lamp on far right shown for size comparison

Did YOU know?

The light source of MR lamps is a single-ended quartz halogen filament capsule. The reflective coating of MR16 lamps can be either dichroic or aluminum. A dichroic coating is a thin, multi-layer dielectric (non-metallic film) that allows infrared radiation (heat) from the filament capsule to pass through the reflector while it reflects visible radiation (light) forward (see Figure 2-2). An aluminum coating is a thin film of aluminum that, unlike the dichroic coating, reflects both infrared and visible radiation. Some MR16 lamps have a cover glass on the front end of the reflector. This cover is a safety measure designed to contain any broken fragments in case the lamp shatters when it fails (see "What are the disadvantages of MR16 lamps?").

Figure 2-2. Schematic diagram of how a dichroic coating works

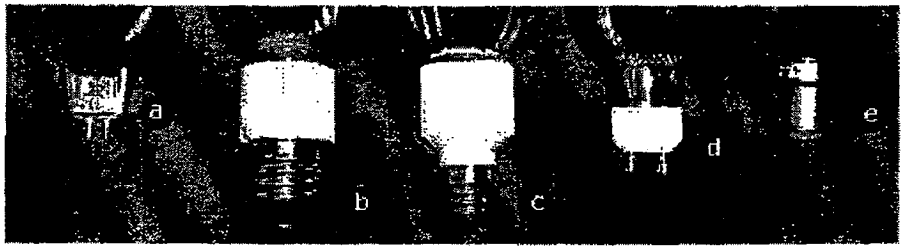


Did YOU know?

MR lamps come in different sizes. The size is determined by the maximum diameter of the lamp in eighth-of-an-inch increments (1 inch equals 2.5 centimeters). The most common MR lamp, the MR16, is 16 eighths of an inch or 2 inches (5 centimeters) in diameter at its largest circumference, hence the name "MR16." Other sizes include MR8 (1 inch, or 2.5 centimeters, diameter) and MR11 (1-3/8 inch, or 3.5 centimeters, diameter). The power ratings of MR16 lamps used in architectural lighting applications range from 10 to 100 watts.

Most MR16 lamps are operated using voltages lower than 120 volts, typically 12 volts. Some MR16 lamps, however, operate using 6 or 24 volts. A transformer is needed to reduce the line voltage from 120 or 277 volts to the appropriate level for these lamps. MR16 lamps can be dimmed through commercially available dimmers for low-voltage loads. Most low-voltage lamps have 2-pin bases. Other bases are the bayonet and turn and lock. A new generation of MR16 lamps with an integrated transformer has been developed and marketed in the last few years. These lamps operate on 120 volts and have a screwbase to fit medium-base (Edison) sockets. Figure 2-3 shows samples of commercially available MR16 lamps with different base types.

Figure 2-3. Different MR16 lamp base types



(a) 2-pin
(b) medium screwbase with integral transformer
(c) intermediate screwbase with integral transformer
(d) turn and lock
(e) bayonet

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Advancing the effective use of light for society and the environment

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NLPIP Lighting Answers

Volume 6 Issue 2 September 2002

MR16 Lamps

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MR16 Lamps Q & A

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What

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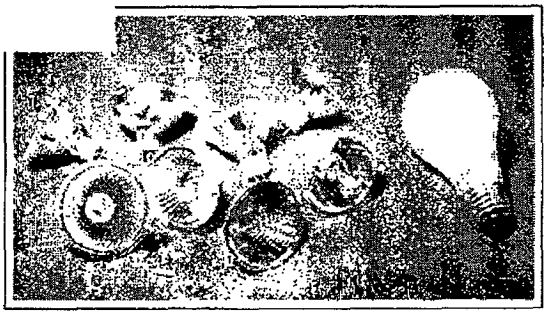

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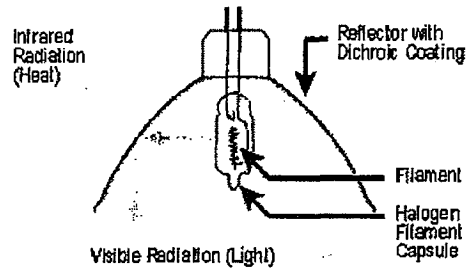

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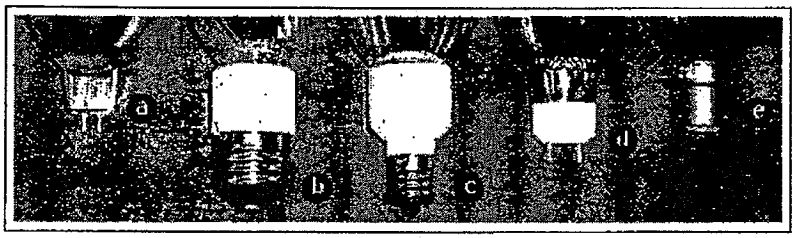

(a) 2-pin
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* Data taken from ANSI C78.379-1994 Annex B

Beam angle nomenclature:

Beam angles are specified in two ways: by the number of degrees (for example, 40 degrees), or by nomenclature that describes the lighting effect produced by the reflector lamp. The National Electrical Manufacturers Association (NEMA) categorizes MR16 lamps as spot lamps or flood lamps. Some lamp manufacturers have created subcategories to better capture the ranges of beam angles. These subcategories are:

- **VNSP**: Very narrow spot
- **NSP**: Narrow spot
- **SP**: Spot
- **NFL**: Narrow flood
- **FL**: Flood
- **WFL**: Wide flood
- **VWFL**: Very wide flood

Keep in mind that manufacturers may sometimes use these subcategories differently. Table 1-2 shows the differences between some lamp manufacturers. This table does not provide a comprehensive list of all products or manufacturers, but it shows examples of the beam angle nomenclature used by some lamp manufacturers. Lamp manufacturers such as EYE define beam angle as number of degrees only.

Table 1-2. Beam angle nomenclature from different lamp manufacturers

Beam Angle (degrees)	GE	OSRAM SYLVANIA	Philips	Ushio
7	VNSP	*	*	*
8	*	NSP	SP	*
10	*	NSP	SP	*
12	*	*	*	Narrow
13	*	*	*	Narrow
15	NSP	*	*	*
20	SP	*	*	Medium
22	*	*	*	Medium
23	*	*	*	Medium
24	*	*	NFL	Medium
25	NFL	NFL	*	*
28	*	*	*	Medium
30	NFL	*	*	*
35	*	FL	*	*
36	*	*	FL	Wide
38	*	*	FL	Wide
39	*	*	*	Wide
40	FL	FL	*	*
55	WFL	*	*	*
60	*	VWFL	WFL	Super Wide

* Lamp manufacturer does not offer beam angle

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Light Technical

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Understanding IP Ratings for Luminaires

Ingress Protection ratings outline the degree to which a luminaire or enclosure can exclude foreign objects and water. IP rating tests for luminaires are described in Australian Standard AS/NZS 60598.1 'Luminaires' - Sections 3, 9 and 12. Enclosures are tested to AS/NZS 60529* 'Degrees of protection provided by enclosures (IP Code)'. The purpose of "IP Rating" is to indicate the ability of a luminaire or enclosure to protect internal parts from the outside environment.

The first digit of an IP Rating relates to the effectiveness of a light fitting to prevent "Ingress of solid objects" and "protect against access to hazardous parts" (Fig 1). For example:

IP1X protects ingress of an object the size of a human hand
IP2X protects ingress of an object about the size an adult finger
IP3X protects ingress of an object similar to the size screw driver
IP4X protects ingress of an object the size of a strand of wire.

The second digit relates to the effectiveness to resist water or other liquid penetration (Fig 2). X is used to signify that a water or fluid test is not applicable in this instance. The letters "IP" always precede the two numbers.

For example, a street luminaire is generally protected to the level of IP54 in the lamp chamber and IP24 in the gear chamber. This means the luminaire and optics are well protected against dust and from rain in all directions. A luminaire for use inside a swimming pool is required to have the maximum IP Rating of IPX8, the depth of application is as specified by the manufacturer. Luminaires for outdoor use are generally rated to be IP23 or higher.

Labelling requirements for IP Ratings on luminaires

Under AS/NZS 60598, an IP number is required to be displayed on a luminaire after installation. The number must be visible when the luminaire is assembled and installed for normal use and with the lamp in place. When different IP numbers apply to different parts of the luminaire, the lowest number is required on the type label, while the higher number can be displayed on the actual part it relates to.

The instruction sheet provided with luminaires is required to have details of the different IP numbers and the parts they relate to. The use of different IP numbers is only applicable to fixed luminaires, markings of IP20 or less are not required in most instances.

Testing

The full test sequence in AS/NZS 60598 (i.e. part 2.5 for floodlights) will test the luminaire IP rating after the thermal endurance test. The body, glass, gaskets, seals & other joints or parts that form the protective body of the luminaire are stressed before the IP test. The luminaire is then run until stable temperatures are achieved and switched off to cool throughout the IP dust and subsequent IP water test. These are tough test conditions, especially for un-vented HID luminaires such as a sealed high bay or floodlight, which will generate a significant vacuum while cooling. Good design is required to prevent water and dust entry. AS/NZS 60598 also limits the torque on any screws used to secure the gasket during these tests.

Under AS/NZS 60529*, the standard used for IP rating of enclosures, an enclosure is tested in isolation. The enclosure will not be hot and gaskets are not thermally pre-conditioned. A small vacuum is used to simulate cooling.

*AS/NZS 60529 has replaced the previous Australian "IP Rating" Standard AS1939.

For further information contact Standards Australia.

Fig 1.

Degree of Protection (foreign object and contact hazard)
Inherent degree of protection (no test applied).
Protection against solid objects larger than 50mm (eg. Accidental contact with hand). No protection against intentional access.
Protected against solid objects larger than12mm(eg. Accidental contact with finger).
Protected against solid objects larger than 2.5mm(eg. tools and wires).
Protected against solid objects larger than 1mm (eg. fine tools and wires).
Protected against quantities of dust that could interfere with satisfactory operation.
Completely protected against dust.

Fig 2.

Degree of Protection (liquids)
Inherent degree of protection (no test applied).
Protection against drops of water falling vertically.
Protection against drops of water falling at up to 15 degrees from the vertical.
Protected against spraying water at up to 60 degrees from the vertical.
Protected against splashing water from all directions.
Protected against jets of water from all directions.
Protected against jets of water of similar force to heavy seas.
Protected against the effects of immersion.
Protected against the effects of submersion.

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Fax +61 2 6247 9840
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Web www.lightingcouncil.com

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Alliance for Fire & Smoke Containment

pfpa

TECHNICAL GUIDANCE NOTE - 003

Understanding Fire Ratings

The two words, "fire rating", together are probably the most misused term when we look at Passive Fire Protection.

If we consider the requirements of the Building Code of Australia, which most Australian Buildings need to comply with, the correct term for "fire ratings" is the Fire Resistance Level, commonly abbreviated as FRL.

It is important to understand what the different components of an FRL are, as well as how they are determined and what they mean to passive fire protection.

What is an FRL?

The Fire Resistance Level (FRL) is a grading period, represented by the time in minutes without any failures, for the following AS1530 Part 4 fire test failure criteria (expressed in a particular order):

- Structural Adequacy
- Integrity
- Insulation

The FRL is expressed as:

Structural Adequacy / Integrity / Insulation (SA / INT/ INS)

Examples:

FRL	Structural Adequacy	Integrity	Insulation
60/60/60	60 minutes	60 minutes	60 minutes
-/120/30	0 minutes **	120 minutes	30 minutes

** non structural (non load bearing) elements such as a fire door or fire damper

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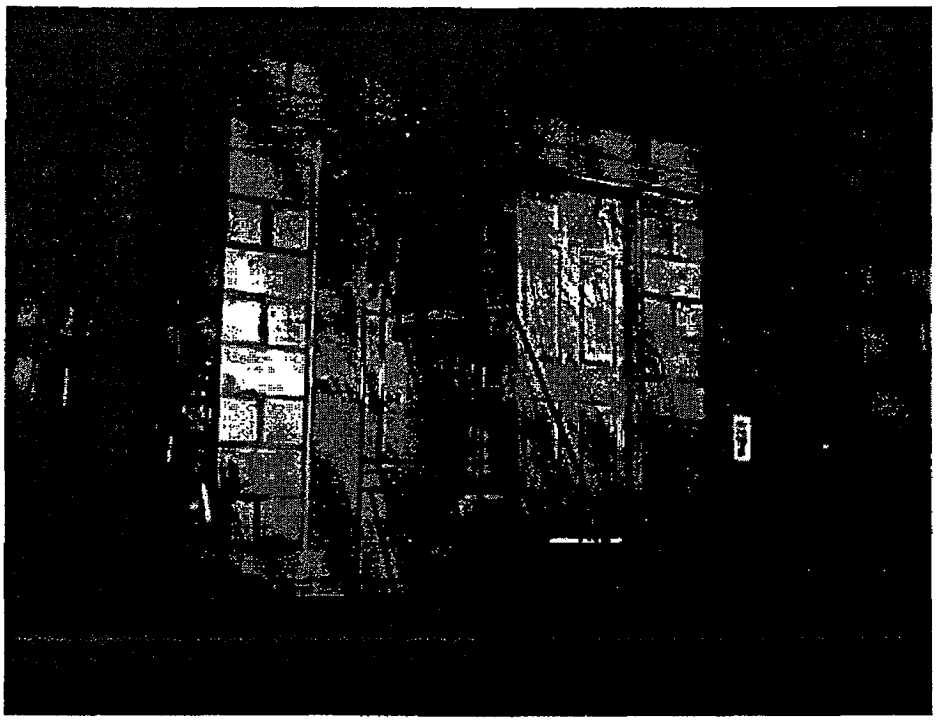
Version – 28th April 2006

Fire testing

For an assembly, the individual FRL components (namely Structural Adequacy, Integrity and Insulation) are determined from the results of a fire resistance test to AS1530 Part 4.

In simple terms, AS1530 Part 4 requires a test specimen, representative of what is to be built and installed in the field, to be subjected to a fire test using standard time versus temperature heating conditions and a standard pressure differential.



An example of a standard fire resistance test on two (2) fire door assemblies

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Failure criteria – what do they mean in simple terms?

Structural Adequacy

Structural adequacy is a measure of a tested assembly to be load bearing (carry a predetermined load) during fire conditions.

Failure in relation to structural adequacy occurs when the test specimen collapses or when the maximum rate of deflection exceeds limits given in AS1530 Part 4

Integrity

Integrity is the measure of a test assembly to restrict the passage of flames and hot gases.

IMPORTANT NOTE

Integrity is not a measure of the ability of the test assembly to restrict smoke leakage.

Failure in relation to integrity is defined as one or more of the following:

- Continuous flaming on the non exposed (non fire side) of the test assembly,
- Through gap into the furnace exceeding sizes given in AS1530 Part 4
- Ignition of the so called "cotton wool pad test" ,

The duration of integrity, is typically the part of the FRL that is often simplified into the so called "fire rating".

For example, a 2 hour fire door (or door with a fire rating of 2 hours) would typically have an FRL of -/120/30.

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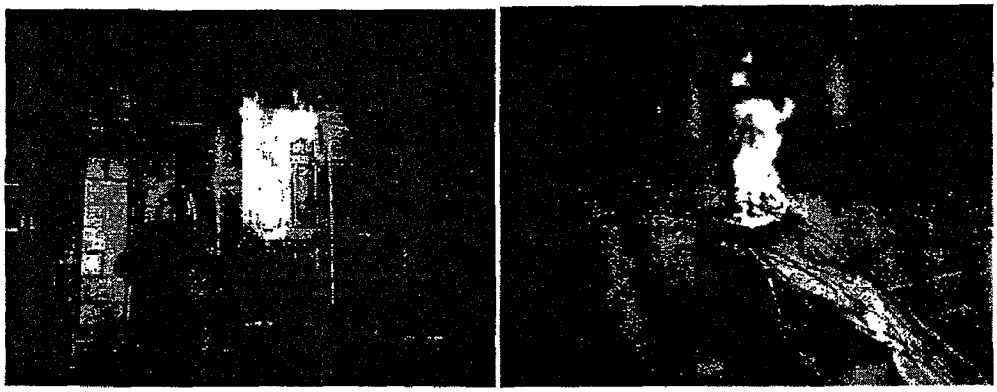
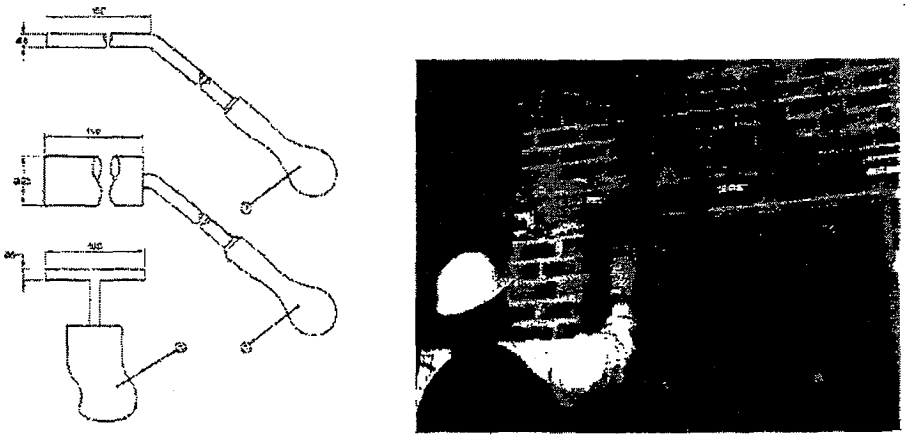
We have provided some photos and diagram to help you understand these failure criteria better:



Continuous flaming is one measure of integrity failure



Gap gauges and their application on the perimeter of a fire door under fire test

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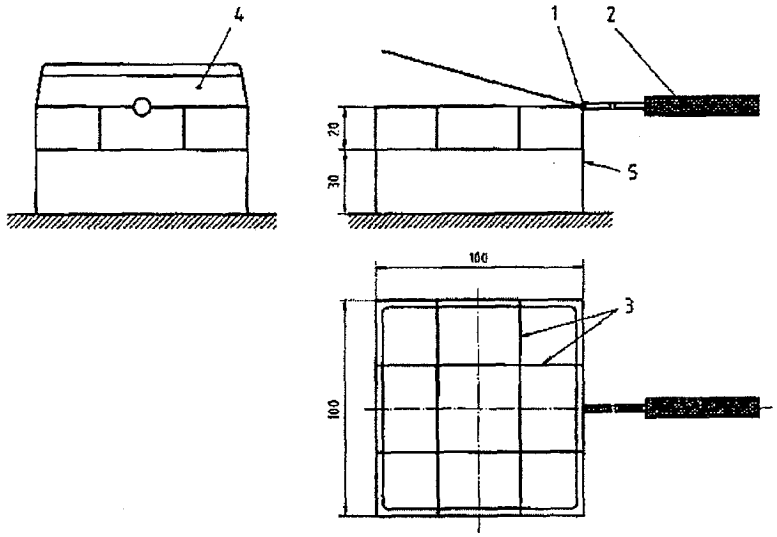

Cotton wool pad test apparatus

Cotton wool pad apparatus and cotton wool pad in operation during a fire test

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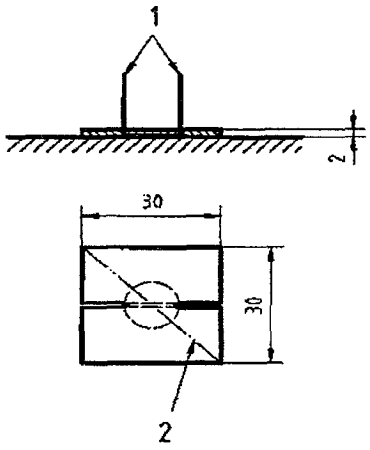
Insulation

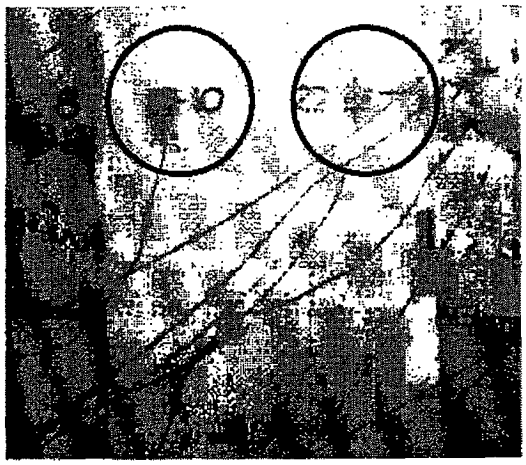
Insulation is a measure of the temperature rise on the non exposed (non fire side) of a fire resistant separating barrier.

Failure in relation to insulation is deemed to have occurred when thermocouples (temperature measuring devices fixed to the non fire side of the test specimen), exceed the following limits given in AS1530 Part 4:

- Average temperature rise of 140 degrees Celsius
- Maximum temperature rise of 180 degrees Celsius.

These temperature limits are quite low. To give you a feel, low density timber, such as pine, require a surface temperature of in the order of 300 degrees Celsius before unpiloted ignition occurs.





Thermocouples are used to measure temperature rise on the non exposed face

This Technical Guidance Note (like others of its kind) has been prepared in good faith to provide some basic assistance to those who are not familiar with some relevant technical issues relating to Fire and Smoke Containment.

This document can be change without prior notification.

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AS/NZS 60598.2.1:1998
IEC 598-2-1:1979
IEC 598-2-1:1979/Amdt 1:1987

Australian/New Zealand Standard®

Title: Luminaires

Part 2.1: Particular requirements—Fixed general purpose luminaires

[IEC title: Luminaires, Part 2: Particular requirements
Section 1: Fixed general purpose luminaires]

STANDARDS AUSTRALIA
STANDARDS NEW ZEALAND

26

Local Manufacturer Enquiry - Tariff Concession Application - Message (HTML)

File Edit View Insert Format Tools Actions Help

Reply Reply to All Forward

From: [redacted]

Sent: Wed 22/07/2009 1:28 PM

To:

Cc:

Bcc: [redacted]

Subject: Local Manufacturer Enquiry - Tariff Concession Application

Dear Sir

BCR Australia is in the process of applying for Tariff Concession Orders, on behalf of a client, for the following goods:

4. [illegible] LIGHTS - SELF BALLASTED FLUORESCENT having all of the following
1. rated CA under HZECP34
2. thermal cut-off protection with auto reset
3. 3 hour minutes fire rating
4. recessed
5. maximum lamp size 20W
6. E14 screw cap lamp holder

5. DOWNLIGHTS - HALOGEN having all of the following
1. integrated transformer
2. trimmable
3. thermal cut-off protection with auto reset
4. rated CA under HZECP34
5. [illegible] MR16 lamp (3x5)
6. recessed
7. minimum capacitance 100 nF
8. non-ferromagnetic insulated
9. max lamp size 50W

The purpose of this email is to inquire if your company manufacturers, in Australia, goods which would be considered substitutable goods for those covered by the proposed concession.

We would be appreciated your written response to this inquiry within ten (10) days.

However, should we receive no response within this period we will deem this to mean that your company does not produce substitutable goods and that there is no interest in this matter.

Best Regards

[redacted]

BCR

BCR Australia Pty Ltd. [redacted]

Suite 3.3, 25 Orion Street, Alexandria NSW 2015 PO Box 7050, Alexandria NSW 2015

Sydney +61 2 8398 0660 Fax +61 2 8399 2055 [redacted]

"Delivering superior service and innovative Freight Forwarding, Customs Clearance and Supply Chain Solutions"

35

s47F

From: s47F
Sent: Monday, 27 July 2009 6:00 PM
To: s47F
Subject: FW: Local Manufacturer Enquiry - Tariff Concession Application

We have no objection to this
Regards
s47F

From: s47F
Sent: Wednesday, 22 July 2009 1:28 PM
To: s47F
Subject: Local Manufacturer Enquiry - Tariff Concession Application

Dear Sir

BCR Australia is in the process of applying for Tariff Concession Orders, on behalf of a client, for the following goods:

A) DOWNLIGHTS, SELF BALLASTED FLUORESCENT, having all of the following
1)rated CA under NZECP54
2) thermal cut-offprotection with auto reset
3) 30/30/30 minutes fire rating
4) recessed
5) maximum lamp size 20W
6) Edison screw lamp holder

B) DOWNLIGHTS, HALOGEN, having all of the following
1) integrated transformer
2) dimmable
3) thermal cut-offprotection with auto reset
4) rated CA under NZECP54
5) 12 volt MR16 lamp, GX5.3
6) recessed
7) input capacitance 100 nF
8) double insulated
9) max lamp size 50W

The purpose of this email is to inquire if your company manufacturers, in Australia, goods which would be considered substitutable goods for those covered by the proposed concession.

We would be appreciated your written response to this inquiry within ten (10) days.

However, should we receive no response within this period we will deem this to mean that your company does not produce substitutable goods and that there is no interest in this matter.

Best Regards,

s47F

27/07/2009

24

ail: s47F

BCR

BCR Australia Pty Ltd, Sydney Office
Level 2, 39 Doody Street, Alexandria NSW 2015 PO Box 7090, Alexandria NSW 2015
Switch: +61 2 8396 0050 Fax: +61 2 8396 0089 Web: http://www.bcr.com.au
"Delivering superior service and innovative Freight Forwarding, Customs Clearance and Supply Chain Solutions"
[illegible]

s47F

From: General Feedback [generalfeedback@crompton.com.au]
Sent: Wednesday, 22 July 2009 3:26 PM
To: s47F
Subject: Re: General Enquiry from website

Good afternoon,
Thank you for contacting us, unfortunately these are not product lines Crompton Lighting carry.

Regards,

The Crompton General Support Team

From: s47F
To: generalfeedback@crompton.com.au
Sent: Wed, 22 Jul 2009 13:18:42 +1000
Subject: General Enquiry from website

Name: s47F
Company: BCR Australia Pty Ltd
Email: s47F

Dear Sir

BCR Australia is in the process of applying for Tariff Concession Orders, on behalf of a client, for the following goods:

A) DOWNLIGHTS, SELF BALLASTED FLUORESCENT, having all of the following

1) rated CA under NZECP54

2) thermal cutoff protection with autoreset

3) 30/30/30 minutes fire rating

4) recessed

5) maximum lamp size 20W

6) edison screw lamp holder

B) DOWNLIGHTS, HALOGEN, having all of the following

1) integrated transformer

2) dimmable

3) thermal cutoff protection with autoreset

4) rated CA under NZECP54

5) 12 volt MR16 lamp, GX5.3

6) recessed

7) input capacitance 100 nanofarads

Wetherill Park (Head Office)

Thorn Lighting Pty Limited
43 Newton Road
Wetherill Park
NSW 2164

Tel: +61 (0) 2 8786 6000
Fax: +61 (0) 2 9612 2700

www.thornlighting.com.au

Contact Us

Contact Form

Name* s47F

Company Name BCR Australia Pty Ltd

State* Australia

Phone s47F

E-mail*

Message* Dear Sir

BCR Australia is in the process of applying for Tariff Concession Orders, on behalf of a client, for the following goods:

A DOWNLIGHTS, SELF BALLASTED FLUORESCENT, having all of the following

Send to* Thorn Australia

Send

Crompton Lighting

lighting the way
since 1887

HOME COMPANY NEWS CATALOGUE ENERGY SAVERS PRODUCT NEWS CONTACT US

Branches

At a National Level

National Sales Hotline: 1300 799 300

National Fax Number: 1300 789 300

Please note that we do not sell direct to the public
For Crompton Lighting distributors in your area please contact our National Sales Hotline

Office Locations

SYDNEY (Head Office)

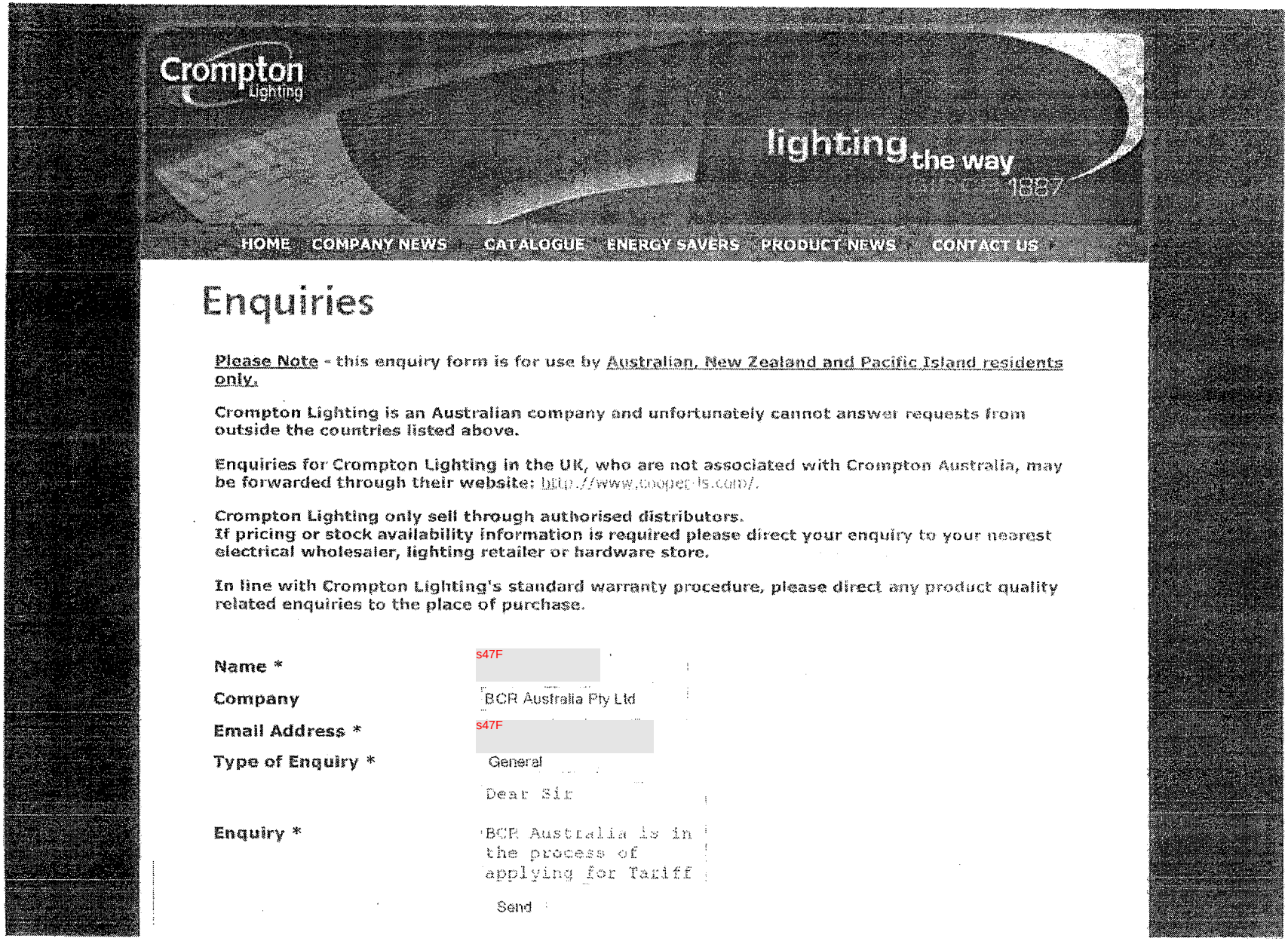
Street: Level 1/62 Hume Highway
Chullora, NSW 2190
Mail: Locked Bag 1000, Lidcombe, NSW 1825

Admin Tel: (02) 9353 9453
Admin Fax: (02) 9353 9494

Sales Tel: (02) 9353 9444
Sales Fax: (02) 9353 9455

MELBOURNE

85 Munster Terrace
North Melbourne VIC 3051



Enquiries

Please Note - this enquiry form is for use by Australian, New Zealand and Pacific Island residents only.

Crompton Lighting is an Australian company and unfortunately cannot answer requests from outside the countries listed above.

Enquiries for Crompton Lighting in the UK, who are not associated with Crompton Australia, may be forwarded through their website: http://www.cooperlighting.com/.

Crompton Lighting only sell through authorised distributors.
If pricing or stock availability information is required please direct your enquiry to your nearest electrical wholesaler, lighting retailer or hardware store.

In line with Crompton Lighting's standard warranty procedure, please direct any product quality related enquiries to the place of purchase.

Name *	s47F
Company	BCR Australia Pty Ltd
Email Address *	s47F
Type of Enquiry *	General
Enquiry *	Dear Sir BCR Australia is in the process of applying for Tariff

Send

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LUMASCAPE

U.S. customers click
for Lumascape USA inc. website

To allow us to respond to email enquiries faster, or to contact you for clarification, please include your name, company name, country and telephone number in your email.

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Lumascape welcomes all legitimate enquiries.

Australian Enquires

Head Office & Manufacturing

38-44 Enterprise Street, Cleveland, Queensland,

Australia 4163

Telephone: +61 7 3286 2299

Facsimile: +61 7 3286 6599

E-mail (General enquiries): sales@lumascape.com.au

Sydney Office

Unit 6, 13-15 Burrows Road South, St Peters, New South Wales, Australia 2044

Telephone: (02) 9519 6860

Facsimile: (02) 9519 8834

E-mail: sales.nsw@lumascape.com.au

Melbourne Office

Lumascape

Telephone: (03) 9898 8555

Facsimile: (03) 9898 8655

E-mail:

Far North Queensland Distributor

NQ Lighting

Telephone: (07) 4031 4490

Facsimile: (07) 4031 5933

E-mail:

South Australia & Northern Territory Distributor

Cida

Telephone: (08) 8150 9200

Facsimile: (08) 8150 9222

E-mail:

Western Australian Distributor

H.I. Lighting

Telephone: (08) 9377 1322

Facsimile: (08) 9377 1761

E-mail:

Export Division

P.O. Box 1875 Cleveland D.C. Queensland,

Australia 4163

Telephone: +61 7 3286 2299

Facsimile: +61 7 3286 6599

E-mail (General enquiries):

USA & Canada Enquires

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North America

Lumascape USA Inc.

1300 Industrial Road, Unit #19

San Carlos, CA 94070, USA

Telephone: **1-(650)-595-LUMA(5862)**

Facsimile: 1-(650)-595-5820

Freecall: 1-866-595-LUMA(5862)

E-mail:

Website:

International Distributors

China

Creative Lighting Asia Ltd

6-I, 6/Floor Jia Li Mansion, No. 2, 1228 Yan'an West Road

Shanghai 200052, China

Telephone: **+86 (21) 5258 8833**

Facsimile: +86 (21) 5258 8813

Hong Kong (SAR)

Creative Lighting Asia Ltd

Unit 22-26, 9/F., Tower A, Southmark, No.11 Yip Hing Street

Wong Chuk Hang, Hong Kong

Telephone: **+852 (2) 8187402**

Facsimile: +852 (2) 8172285

Iceland

GH Heildverslun HF.

Gardatorgi 3-, PO BOX 1-

210 Gardabaer, Iceland

Telephone: **+354 (565) 6560**

Facsimile: +354 (565) 6160

India

LSI (New Delhi) Pvt. Ltd.

105, Allied House, 1,L.S.C.Madangir

New Delhi 110062, India

Telephone: **+91 (11) 51649021**

Facsimile: +91 (11) 29053724

Indonesia

Assati Lighting, PT

Jl. Sultan Iskandar Muda No.8C

Arteri Pondok Indah

Jakarta 12240

Telephone: **+62 (21) 2700088**

Facsimile: +62 (21) 2700086

Italy

Arkilux Distribuzione Srl

Via Molise, 6

37138 Verona, Italy

Telephone: **+39 (045) 810 3615**

Facsimile: +39 (045) 810 3519

Japan

Advance Technology, Inc.

Park View 107, Bentencho 79-8,

Shinjuku-ku, Tokyo

Telephone: **+81 (0)3 5225-0855**

Facsimile: +81 (0)90 9671-7700

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Macau

GELEC (MACAU) LIMITADA

Av. da Praia Grande No 762-804, Ed. China Plaza 16 Andar , "J1"

Macau

Telephone: +853 715686

Facsimile: +853 715787

Malaysia

Lighttec Sdn. Bhd.

PS2-38A1, Jalan Desa 1/1, Desa Aman Puri, Sri Damansara

Kuala Lumpur 52100, Malaysia

Telephone: +60 (36) 2774928

Facsimile: +60 (36) 2774923

Mauritius

Flux

8, Brown Sequard Street

Port Louis, Mauritius

Telephone: +230 2114352

Facsimile: +230 211 7636

New Zealand

ECC Lighting

39 Nugent Street

Auckland , New Zealand

Telephone: +64 (9) 379 9680

Facsimile: +64 (9) 373-5614

Qatar

Qatari Resource Trdg & Cont

PO BOX 19235,

24

Doha, Qatar

Telephone: **+974 4662756**

Facsimile: +974 4662764

Singapore

Luxlight

Block 1, #08-09/10, Alexandra Distripark, Pasir Panjang Road

118478, Singapore

Telephone: **+65 62788588**

Facsimile: +65 62781141

Saudi Arabia - Jeddah

Nardeen Lighting Co. Ltd

PO Box 6935, 21452 Jeddah,

Kingdom of Saudi Arabia

Telephone: **+966 (2) 6609086**

Facsimile: +966 (2) 6650387

Saudi Arabia - Riyadh

Nardeen Lighting Co. Ltd

P.O.Box 50743, Riyadh 11533

Kingdom of Saudi Arabia

Telephone: **+966 (1) 4765814**

Facsimile: +966 (1) 4767990

Saudi Arabia - Dammam

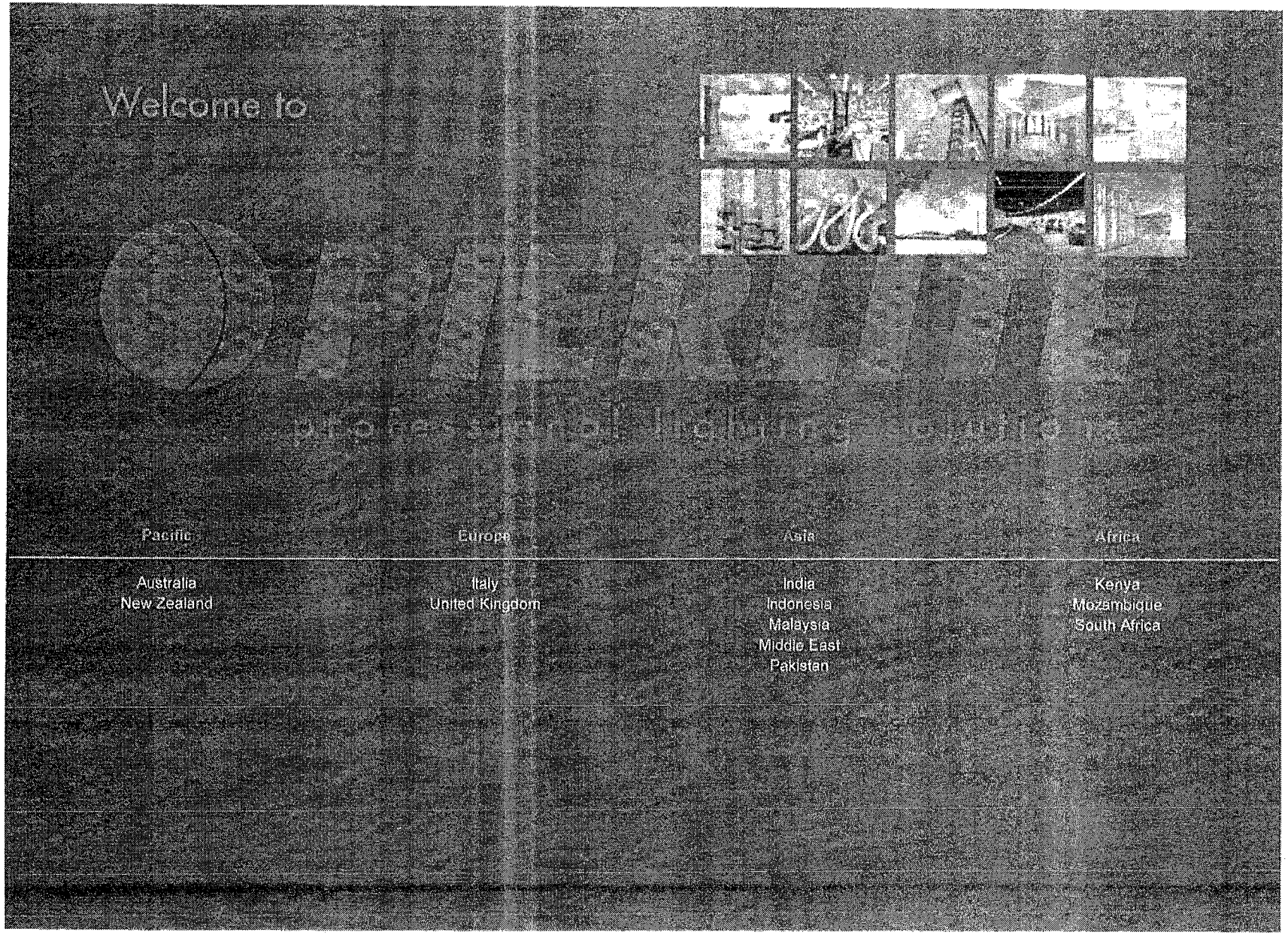
Nardeen Lighting Co. Ltd

P.O. Box 31422, Al Khobar 31952

Kingdom of Saudi Arabia

Telephone: **+966 (3) 8587886**

Facsimile: +966 (3) 8587863


Welcome to
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Middle East
Pakistan
Africa
Kenya
Mozambique
South Africa

22

61-67 Buchanan Road
Banyo QLD 4014
Tel: +61 7 3621-9200
Fax: +61 7 3267-3888
Email: lightingqld@pierlite.com.au

QLD-Townsville
27-29 Corporate Crescent
Townsville QLD 4814
Tel: +61 7 4779-0111
Fax: +61 7 4779-0155
Email: lightingqldth@pierlite.com.au

NSW-Sydney
122 Canterbury Road
Bankstown NSW 2200
Tel: +61 2 9794 9393
Fax: +61 2 9796 4812
Email: lightingnsw@pierlite.com.au

VIC-Melbourne
176 Swann Drive
Derrimut VIC 3030
Tel: +61 3 9368 7255
Fax: +61 3 9368 7275
Email: lightingvic@pierlite.com.au

TAS
Tel: +61 3 9368 7255
Fax: +61 3 9368 7275
Email: lightingtas@pierlite.com.au

SA-Adelaide
101 Port Wakefield Road

122 Canterbury Road
Bankstown NSW 2200
Australia
Tel: +61 2 9794 9300
Fax: +61 2 9793 8746
Email: export@pierlite.com.au

Kenya
1st Floor, Virdi House,
Butere Rd Industrial Area
Nairobi, Kenya
Tel: +254 20 551931/2, 552547
Fax: +254 20 551934
Email: [illegible]

India
Rakhial Road
Ahmedabad 380 023
Gujarat, India
Tel: +91 7922 782623
Fax: +91 7922 770287
Email: rakesh@pierlite.co.in

Indonesia
Lelco Building
JL Tomang Raya No. 14
Jakarta Barat 11430
Indonesia
Tel: +62 21 5696 4852
Fax: +62 21 5696 4561
Email: [illegible]

Malaysia
No 18, Jalan SS4C/5,
47301 Petaling Jaya,
Selangor, Malaysia
Tel: +603 7803 9888
Fax: +603 7803 9777
Email: sales@pierlite.com.my

UAE
P.O. Box 9595

Tel: +39 35 525 600
Fax: +39 35 355 131
Email: [illegible]

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8

COSMOLUCE

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State:

* Please Select State ----->

E-mail:

*

Phone:

*

Company Name:

Found us where:

Please select one ----->

Enquiry:

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New South Wales

62 Marigold Street, Revesby, 2212

(02) 9773 1222

(02) 9773 5825

For General Sales Enquiries sales@cosmoluce.com.au

For Project Quotations projects@cosmoluce.com.au

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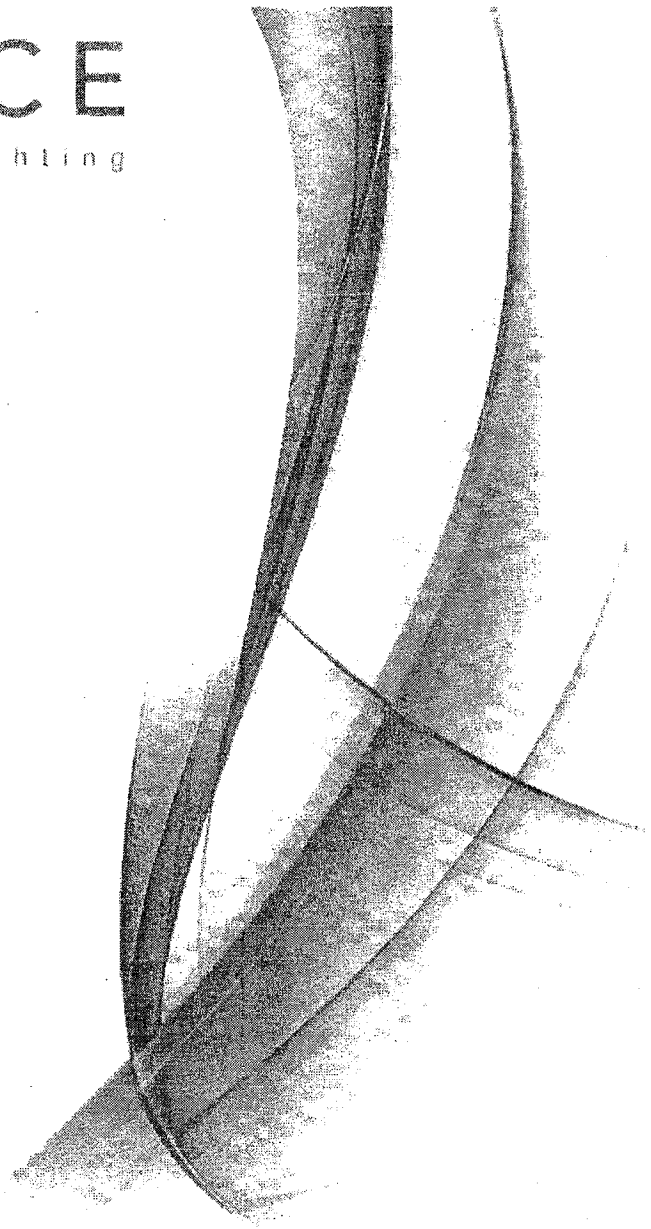

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... Arrowform produce engineered products for the future. Products include Isolite, Safety in the ceiling, Fire Resistant Enclosures, Downlight ...

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... Hotbeam distributes a range of innovative and energy efficient LED-based lighting products. Our product range includes the Galaxy 7607 - a 20w+ ...

Innovative Light Systems
... Innovative Light Systems has been involved in the specialist LED Lighting Industry for the past 9 years. We specialise in all types of lighting ...

OSRAM Australia
... OSRAM manufactures light sources and electronic gear for trade, wholesale, OEM and Retail sectors. We provide general lighting, display optics, ...

WE-EF LIGHTING Pty Ltd
... WE-EF LIGHTING has firmly established itself as a significant supplier of exterior architectural lighting products to the "high end" of the ...

Online Lighting
... We offer every kind of lighting imaginable, from simple to decorative lighting products and everything in between. We deliver worldwide and ...

... LedFX specializes in the manufacture of custom made LED lighting products for commercial, residential and architectural LED projects. LedFX ...

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powered by SEEK

Optic Fibre & LED Lighting Solutions
... One of Australia's largest designers and suppliers of architectural and decorative LED and fibre optic lighting systems. Energy efficient, ...

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... Designer and manufacturer of lighting control and automation systems. Residential Smart Home Systems - simple lighting control to fully ...

SES Lighting
... Manufacturers and distributors of industrial and commercial outdoor lighting, security lighting, light poles and pole ...

Switched on Innovations
... We are LED Guru™s We have sold over 150km of GE Tetra LED strips into the Australian Sign Industry. To assist in complying with BCA 2007 energy ...

Philips Lighting
... Philips Lighting markets and manufactures more than 3,000 lighting products to retail, industrial/commercial, consumer and OEM markets around the ...

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... Lampsbiweb is a new online shop created for the discerning

buyer who has an eye for quality, unique interior lighting. Staff are excited with the ...

DIGILIN Australia
... Digilin Australia pools its experience in electronic design, photometrics and mechanical design to bring to market innovative LED and Fibre Optic ...

Domus Lighting
... Domus Lighting is a leading Australian distributor of lighting products and accessories. If you have any enquiries or would like ...

The Lighting Gallery
... The Lighting Gallery is an online lighting store from Australia. The Lighting Gallery have a large range of lighting: lights, lamps, down lights, ...

Todae
... At todae, we aim to make it easier for you to make a difference in healing our planet rather than harming it. We provide a range of ecologically ...

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... There is more than one way to illuminate an object or space. Lumen-8 provides lighting concepts and alternatives that will enhance and influence ...

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Catch
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NOT A MFG

. The actual Elux production includes lighting fixtures and systems suitable to lighten prestigious public and private enviroments (houses, work ...

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More Info

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... Illumina Concepts is a lighting and LED supplier, with many years of LED lighting experience with only the best range of lights, architectural ...

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Tokens of Living
... TOKENS OF LIVING is located in Mona Vale on Sydney""s beautiful Northern Beaches and source antique and modern Distinctive ...

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Spire Lighting
... Spire Lighting is a manufacturer of Emergency lighting products including Exit Signs, Emergency Luminaries, inverters and monitoring devices ...

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Lincoln Sentry
... Specialist component supplier to the kitchen, cabinetmaking, timber joinery, shop/office fitting and furniture manufacturing ...

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... Sports, Flood, High Mast Lighting, Exterior, Commercial, Fluorescent **DownLights**, 12v **Downlights**, Spots, MH **Downlights**, ...

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14

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More Info

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... WADCO Lighting provides energy saving HID commercial and industrial ...
More Info

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... voltage discharge fluorescent **downlights**, tracklights, spotlights, ...
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Versalux Lighting
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3

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Floor Lamp
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... Includes LEDs, decorative, stairs, aisles, glass, fluoro ... More Info

Artemide
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... Architectural, commercial and industrial floodlighting ... More Info

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12

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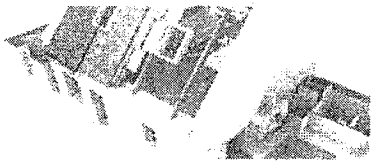

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Arrowlight

Arrowlight

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Innovative Light Systems
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Advanced Lighting Equipment - Alexandria NSW 2015	+61-2-9310 6222	26
Advanced Lighting Technology Incorp. - Wantirna South VIC 3152	+61-3-9800 5600	25
► Alco Controls Pty Ltd - Tullamarine VIC 3043	+61-3-9339 0200	64 ◄
Aletta Lighting - Alderley Heights NSW 2150	+61-2-9453 3777	71
Australian Slatwall Industries Pty Ltd - Waterloo NSW 2017	+61-2-9319 1566	83
Beacon Lighting - Nunawading VIC 3131	+61-3-9878 5600	101
Beacon Lighting P/L - Oakleigh VIC 3166	+61-3-9569 0911	101
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Crompton Lighting - Homebush Bay NSW 2127	+61-2-9353 9555	184
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Delta Neon (Vic) Pty Ltd - West Heidelberg VIC 3081	+61-3-9459 2011	201
Digilin Australia - Brendale QLD 4500	+61-7-3889 1267	203
Direct Lighting Distributors - Malaga WA 6090	+61-8-9248 5000	209
Dux Lighting Agencies - Currumbin QLD 4223	+61-7-5598 3211	215
Exciting Lighting Sound/Special Effects -	+61-7-5493 8999	236
Fiamm Lighting Pty Ltd - Collingwood VIC 3066	+61-3-9419 3511	245
Fibreoptic Lightguides - Hornsby NSW 2077	+61-2-9482 3216	243
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G E Lighting Australia Ltd - Smithfield NSW 2164	+61-2-9729 0011	259

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H I Lighting Pty Ltd - Osborne Park WA 6017	+61-8-9307 8822	282
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J C Bradley (Sales) Pty Ltd - Kempsey NSW 2440	+61-2-6563 4277	308
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Lightworks Pty Ltd - Williamstown VIC 3016	+61-3-9397 4288	368
Lloyd International Pty Ltd - North Fitzroy VIC 3068	+61-3-9486 4415	374
LSC Lighting System (Aust) Pty Ltd - Clayton VIC 3168	+61-3-9561 5555	373
Lunar Productions Pty Ltd - Smithfield NSW 2135	+61-2-9612 5065	374
M M Electrical Merchandising - North Rocks NSW 2151	+61-2-8839 9000	378
Marlec - Archerfield QLD 4108	+61-7-3875 1345	388
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Philips Electronics Australia - Homebush NSW 2140	+61-2-9741 3000	462
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Planet Lighting - Balgowlah NSW 2454	+61-2-9653 1077	464
Profile Manufacturing Pty Ltd - Toowoomba QLD 4350	+61-7-4632 7312	478
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Reggiani Australia - Kirrawee NSW 2232	+61-2-9545 8000	496
Rexel Australia - Lidcombe NSW 2141	+61-2-8748 4900	499
Rotel Australia - North Ryde NSW 2113	+61-2-9887 8222	499
Spectra Lighting Pty Ltd - Wacol QLD 4076	+61-7-3335 3500	551
Stagecraft Pty Ltd - Osborne Park WA 6017	+61-8-9445 4000	555
Stanilite Lighting Pty Ltd - Springvale VIC 3171	+61-3-9558 6100	555
Starlink Lighting International Pty Ltd - Ultimo NSW 2007	+61-2-9281 0800	557
Thomas & Betts (Australasia) Pty Thomas & Betts (Australia - Lidcombe NSW	+61-2-9748 8444	584
Thorn Lighting - Braeside VIC 3195	+61-3-9580 3333	586
► Thorn Lighting Pty Ltd - Smithfield NSW 2164	+61-2-9604 4500	586 ◄

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Thorn Lighting Pty Ltd - Aspley QLD 4034	+61-7-3863 4022	586
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White Lite Industries Pty Ltd - Mount Kuring-Gai NSW 2080	+61-2-9457 8977	633

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Zumtobel Staff (Aust) Pty Ltd - Sydney NSW 2250	+61-2-9540 3200	647

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s47F

From: s47F
Sent: Wednesday, 1 April 2009 12:06
To: TARCON
Subject: FW:

Attachments: 20090401105609203.pdf

2009040110560920
3.pdf (2 MB)

Good morning all
Please find attached tco application for ceiling light fixtures on behalf of mercator lighting Thanking you s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

-----Original Message-----
From: s47F
Sent: Wednesday, 1 April 2009 11:56 AM
To: s47F
Subject:

This E-mail was sent from "RNPC25519" (MP 3500/LD335).

Scan Date: 01.04.2009 10:56:09 (+1000)
Queries to: s47F

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

Hours ____ Minutes ____

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the Internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name	Australian Business Number (A.B.N.)
Mercator Lighting	23005946958
Postal Address	
P.O. Box 66 Dallas. Victoria. 3047	
Applicant's Reference	**Owner Code *(if applicable)***
Mercator	23005946958
Company Contact	**Position Held**
s47F [redacted]	s47F [redacted]
Telephone Number	**Facsimile Number** / **E-mail Address**
s47F [redacted]	0393026262

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above")	A.B.N.
As Above	
Postal Address	
Importer's Reference	**Owner Code**
Company Contact	**Position Held**
Telephone Number	**Facsimile Number**

AGENT/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
Consolidated Cargo & Customs	48758123229
Postal Address	
P.O. Box 223, Footscray, Victoria, 3011	
Agent's Reference	**Agency Contact**
Mercator	s47F
Telephone Number	**Facsimile Number**	**E-mail Address**
s47F	0393262600	s47F

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).

(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.

(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
- (ii) described in terms of their intended end use; or
- (iii) declared by the regulations to be goods to which a TCO should not be extended.

Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.

(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 Describe the goods

CERAMIC FRAMEWORK OF LIGHT FITTING

Ceiling Light Fixture, Non-Ceramic.

With or without Shade, globe,

Without Separate Independant ballast.

ILLUSTRATIVE MATERIAL

2 Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.

TARIFF CLASSIFICATION

3 Identify the tariff classification (to 8 figure subheading level) 9405400 9

Identify the General Duty rate 05 %

If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.

☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 Describe ALL uses (including design uses) to which the goods can be put.

Lighting up Room

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.

NO Australian Producer Found.

6 Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.

Internet Sites attached.

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

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DECLARATION

I, s47F | Position Held s47F

Company (if applicable) Consolidated Cargo & Customs Services

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

s47F

Signature of Applicant/Agent/Broker | Date 1-4-09

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

- posting it by prepaid post to the
  National Manager, Tariff Branch
  Australian Customs Service
  Customs House
  5 Constitution Avenue
  CANBERRA ACT 2601

  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

  or
- e-mailing it to tarcon@customs.gov.au.

24

Products

- Pendants
- Spotlights
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- **Ceiling Fixtures**
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

CEILING FIXTURES

ADINA MA3151

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ADINA MA3152

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ADINA MA3162

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ARCTIC MA6651

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ARCTIC MA6652

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ASTORIA MA3211

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ASTORIA MA3213

Show family

ASTRO MA2751

Show family

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Products

- Pendants
- Spotlights
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- **Ceiling Fixtures**
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

CEILING FIXTURES

ASTRO MA2752

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ASTRO MA2753

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ATLANTIS MA6551

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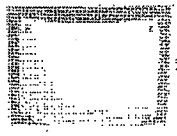

ATLANTIS MA6552

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ATLAS MA4251

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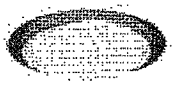

ATLAS MA4252

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ATLAS MA4262

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CAMEO MC8822

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Products

- Pendants
- Spotlights
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
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- DIY
- Outdoor
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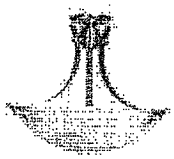

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Show family

CLIPPER CR8

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CLIPPER CS10

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COSI MA1352

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COSI MA1353

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FLIT MA5951

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Products

- Pendants
- Spotlights
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- **Ceiling Fixtures**
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

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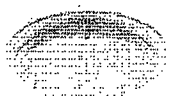

HANSON MA4151

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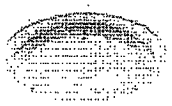

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LUCA MC2752

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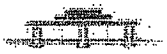

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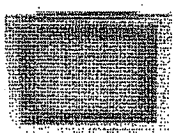

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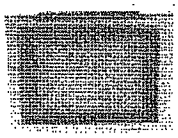

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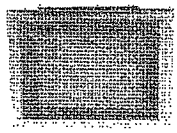

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NAUTILUS MA6752

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NOOSA MA7051

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NOOSA MA7053

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NOVA MA6051

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NOVA MA6052

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RENATA MA3051

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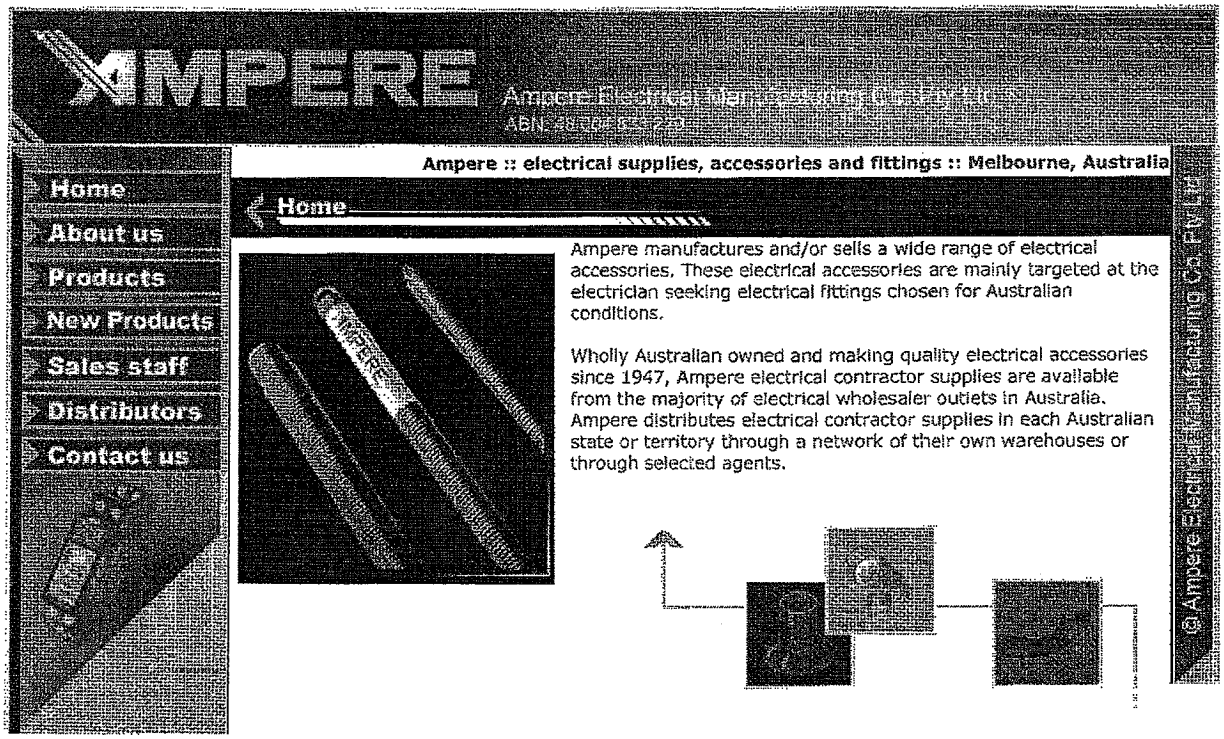
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Wholly Australian owned and making quality electrical accessories since 1947, Ampere electrical contractor supplies are available from the majority of electrical wholesaler outlets in Australia. Ampere distributes electrical contractor supplies in each Australian state or territory through a network of their own warehouses or through selected agents.

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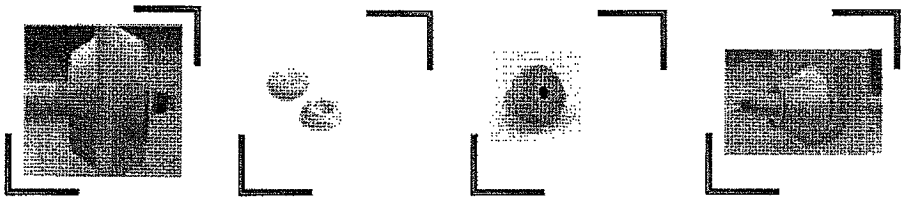
New & Featured Products



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Don't Produce Complete Light Fittings

The electrical accessory & fittings range includes:

Lighting Products that include battenholders and lampholders.
Cable holding and protection products that include plastic conduit bushes and stops and nylon cable glands.
Connectors including strip connectors, single screw connectors and double screw connectors.
Cable and conduit securing products including Quiklip™ plastic cable clips and "Suregrip" metal half saddles.
Installation tools and accessories including jack chain and pull through springs.
Petzl head torches including the Tikkina and Tikka XP.
Hollow wall fasteners including Anka plugs and Wall loks.
Self-drilling screws in a variety of packs and sizes.
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Conduit plastic fittings including junction boxes and couplings.
PVC Insulation Tape Duct Tape and Self Fusing Tapes.
P&N cutting tools, drills, holesaws, spade bits and auger bits.
Safety equipment including safety spectacles.

In addition to the range of electrical products for the electrical contractor Ampere have a range of products designed to supply Original Equipment Manufacturers especially lighting manufacturers. Lighting equipment manufactures or other OEM's are invited to contact either the Ampere HO or the rep in their area for further information about electrical accessories designed specifically for their industries.

Electricians when calling at their wholesalers should specify Ampere electrical contractor supplies for great value products made/distributed by a wholly owned Australian company with a reputation for quality and value.

Our range of electrical accessories is constantly being upgraded and expanded. We attempt to upgrade this website every 3 to 4 months with releases of new electrical contractor supplies being shown on a separate "New Product" page. Click here to go to our New Products page & to view our Featured

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Products.

Copies of Australian Approvals for electrical accessories requiring them are available from Ampere Head Office on request.

So remember when you want value electrical accessories always specify Ampere.

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Buys from Importers

Energy Efficient Lighting

At **The Environment Shop**, we specialise in *Energy Efficient Lighting*. We stock a wide range of lamps and fittings for home, garden, office and retail and can source almost anything you can imagine. We have energy efficient alternatives for standard light globes, halogen downlights, outdoor lighting, garden lighting, older fluoro lamps and fittings including ballasts, industrial and factory lighting including mercury vapour alternatives, office lighting, display lighting and other specialist and detailed lighting challenges.

Our knowledgable staff can advise you on the options available to replace your current inefficient lighting, or help you with a lighting plan for your new home, extension or renovation, ensuring you the lowest running costs and lighting that is beautiful as well as practical.

Lighting Design

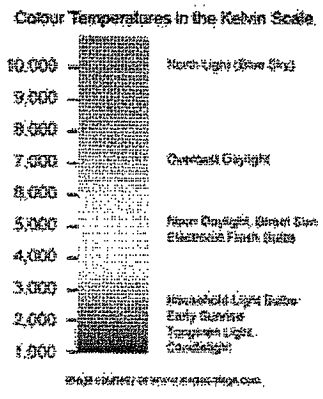
We offer a lighting design service for new buildings and renovations. Call us to organise an appointment, then bring in your house plans and ideas and we will talk through them and come up with a lighting solution that is practical, beautiful and most importantly, efficient. Shortly after the meeting we will email you a formal copy of the lighting plan. Typical pricing for a family home is $250, which also entitles you to a discount on light fittings bought through us.

Lighting Efficiency

The amount of energy used by lighting in Australian households is increasing, mainly due to larger house sizes and the proliferation of halogen downlights. It is possible to decrease the amount of energy used by your lights by up to 80% without affecting your light levels or quality. In fact many energy efficient lights provide better light coverage and quality than traditional lights.

Energy efficient lighting does not mean lower quality or less options. In fact, with modern technology such as LEDs, CFLs, micro fluoros such as the Megaman range and cold cathode fluorescent lamps, it is possible to light your home, garage, driveway, garden, shack, factory or shop in ways that we could only dream about in the past. Their low power consumption, lower operating temperatures, long operating life and versatile size and packaging means you can fit energy efficient lamps just about anywhere you need light, for practical purposes or for decoration. Low energy consumption also means it is much more viable to power lighting from renewable sources such as solar electricity, especially in areas that have no power available, such as sheds, gardens and remote areas.

FIRSTLY, SOME IMPORTANT DEFINITIONS



Watts – the wattage of a lamp indicates the rate at which it consumes electricity. A 12V lamp does not necessarily use less power than a 240V lamp, you have to compare the watts. E.g. a standard 12 Volt halogen lamp is 50 Watts, four of these in a room equals 200 Watts, not including losses in the transformers.

Lumens – are a measure of the luminous flux, basically the amount of light output by a lamp. You can directly compare the brightness of different types of lamps by comparing their output in lumens and you can get a good idea of the efficiency of a lamp by looking at the lumens/watt.

Colour Temperature – is an indicator of the colour of the white light emitted by a lamp. Incandescent lamps are usually very warm, with a slight yellow/orange tint to the light. Older style fluorescent lamps tended to be very cool with a bluish tinge that is very practical to work by not very flattering. Modern cool white fluoros are a nicer shade and are excellent for detailed work and high visibility. Modern fluoro lamps come in a range of colour temperatures. Warm white is best for living areas, cool white is best for work areas such as kitchens. Colour temperature is measured in Degrees Kelvin. Warm white is typically 3500k or less, cool white is 4000k-6500k and daylight is 6500k+

TYPES OF LAMPS AND THEIR ALTERNATIVES

INCANDESCENT LAMPS

Incandescent lamps or bulbs are the most commonly used type of lighting. They include the standard everyday light bulbs and halogen downlights. They are typically inexpensive to buy but their lifetime running costs are high.

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An incandescent lamp works by running electricity through a piece of wire known as the filament until it heats up enough to emit light, literally glowing white hot. This means that a lot of the energy used is lost as heat rather than light, which is both inefficient and dangerous, with halogen downlights responsible for many house fires.

Standard light bulbs typically only last about a thousand hours and must be regularly replaced, which can be very costly, dangerous or just outright annoying in difficult situations such as high ceilings.

Incandescent lamps are most suitable for areas where lighting is used infrequently and for short periods, such as laundries and toilets and also harsh environments such as inside fridges and ovens. Even though they are inefficient users of energy, incandescent lamps can still be the most suitable choice for certain situations.

COMPACT FLUORESCENT LAMPS

The best alternative to the standard lightbulb in most situations is the compact fluorescent lamp, or CFL. First invented during the oil crisis of the 1970s, they have become commonly available in the last few years and provide very good quality light with up to 80% less energy use than an equivalent incandescent light bulb.

Most of our Compact Fluoro Lamps use spiral tubes, which provide a better distribution of light and are more compact and better looking than the more common linear tube lamps.

CFLs work by creating an arc that causes a phosphor on the inside of the tube to glow. There is some circuitry inside the base that controls the arc and stops the lamp flickering at switch on like in older fluoro lamps.

The main issue with compact fluorescents is the large amount of energy and materials that goes into manufacturing a lamp compared to an incandescent. This is known as embodied energy. The much longer typical lifetime of a CFL means that the greater embodied energy is more than made up for by the energy saved during use. The problem appears when the lamp doesnt last as long as it should.

The answer to this is to buy a good quality CFL and make sure it is used appropriately. CFLs dont like electronic switches such as sensor lights and most are not compatible with dimmers. We have high quality Dimmable CFLs available.

HALOGEN LAMPS

Halogen downlights have become very popular over recent years. They are usually low voltage systems, which many people have interpreted as low power. This is not true.

Because of the directional nature of the halogen downlights, more fittings are needed to light up a room compared to traditional light globe batten fittings. Typical downlights use a 50watt lamp and a transformer that can use as much as 10-15 watts more, for a total of up to 65 watts per fitting. With 6 fittings per room, this can add up to 390 watts. The same amount of light can be provided by two 20 watt CFL lamps in batten fittings. Count the number of halogen downlights in your house and add up the watts!

Halogens are also a fire hazard. The filaments in halogen lamps rise to about 2500°C and the bulb wall is about 500°C. We have measured the external temperature of our display halogen lamps at over 200°C in open air. The temperature at which paper will ignite without a spark or flame is around 230°C. This means that if insulation is pushed against the lamp fitting or rodents drag nesting materials around in your roof a fire can very easily occur.

We highly recommend products such as the Isolite downlight cover and the TENMAT Fire-rated downlight covers to protect your downlights. These products will also make your home more efficient by stopping the thermal chimney effect, caused by the hot air being drawn through the lamp fitting and into the roof space.

If you are renovating or designing a new home we highly recommend you do not install downlights, there are better ways of lightng a room. However, many people already have many downlight fittings in their home, or simply prefer the appearance.

We offer several efficient downlight alternatives.

HIGH EFFICIENCY AND LOW WATTAGE HALOGEN LAMPS

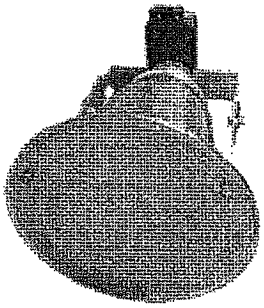
The simplest alternative is to replace your existing halogen lamps with

the more efficient IRC lamps. They are identical to standard halogens, except that the bulb has an Infra Red Coating which reflects some of the heat back into the filament.
As a result a 35 watt lamp can produce as much light as a 50 watt lamp. Lamp life is also extended to 4,000 hours. These lamps will save up to 30% of energy compared to a standard halogen.

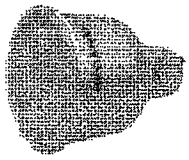
It is also worth considering replacing some of your lamps with a lower wattage where light levels are too high. E.g. Replace a 50w standard halogen with a 20w IRC halogen.
This option is ideal for renters and others who cant afford or may not want to change their light fittings. However, the fire hazard still remains and much greater energy savings can be made with other options.

CFL DOWNLIGHT FITTINGS

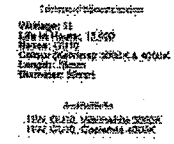
The best alternative we have found for replacing standard 50W halogen downlights is a 15W Compact Fluoro lamp in a fitting specially designed for CFLs. Dont try putting CFLs into fittings designed for incandescent lamps, the reflector needs to be different to efficiently get the light out. We have a range of downlight fittings designed specifically for CFLs available in different sizes, shapes and finishes. You can see them here.



MICRO FLUOROS



Micro Fluoro Lamps use the same technology as Compact Fluoro Lamps but in a smaller package, designed to fit into a standard downlight lampholder. Most use the 240V GU10 two pin fitting the same as 240V halogen lamps. This means that you can directly replace any 240V halogens you have, but you will have to remove the transformer and add a GU10 adaptor to your existing fittings if you are replacing 12v halogens. As this is fixed wiring it requires a licensed electrician, but it is a simple job and shouldnt take them long.



The compact size means that the maximum wattage we have available at the moment is 11w, roughly equivalent to a 50w halogen. However the light quality is a little different. Halogen downlights tend to throw a very directed beam of light that is tightly focussed in the centre, while fluoro lamps tend to spread the light very evenly across a wide angle. An 11w micro fluoro lamp emits the same amount of light as a 50w halogen, however the light is spread more evenly and there are no bright spots to grab the eyes attention. This means that we perceive the light levels as being slightly lower than with halogens. If you want the same perceived light levels, you will need to install additional light fittings.

LEDs

LEDsor Light Emitting Diodes are semiconductor devices which emit light. They can potentially have a very long life (100,000 hours), offer reasonably high efficiencies and are compact, very rugged and highly controllable for both colour and brightness.

Currently, LEDs tend to be very focussed light sources and there are limitations on the power output levels, so they are not very practical for room lighting. (Yet!) However, they are ideal for display and task lighting, where the object to be lit is close to the light source. They make excellent workbench lamps in a kitchen or workshop and are ideal for lighting up works of art.

The range of fittings, colours and brightness levels available mean that LEDs have amazing potential for decorative lighting, whether in your garden, in a shop, around the house, for art or on your christmas tree.
Technology is moving very rapidly in this area, so it is hard for us to keep the website up to date. Please call or email us if you are interested in using LEDs, we can source a very wide range and always have several types in stock and on display.

SOLAR BUD LIGHTING

Recent technological advances have made it possible to use *Solar Powered LED* (Light Emitting Diodes) lights for exterior decorative lighting. The result is much lower power consumption, longer life and when powered with solar panels, zero green house gas emissions. The use of solar power also means total flexibility in locating the lights, as no 240-volt power is required.

Solar Bud Lighting (Solar Fairy Lights/Solar Christmas Lights) can add magical sparkle to trees and buildings in public places. However of all the forms of public lighting it is by far the most energy inefficient. Those little glowing bulbs are designed for long life rather than efficiency. They are very wasteful, producing much more heat than light. In fact, conventional bud lighting produces 2 or 3 lumens per watt compared to about 15 lumens per watt for standard incandescent lamps.

Advantages

10

- Uses less energy. Can be as low as 5% of conventional bud lighting.
- No greenhouse gas emissions when run by solar power.
- Light can go anywhere. No 240 Volt power is required, so the light can go in the middle of parks, on buildings, anywhere.
- These *LED lights* can still be used where 240 Volt power is available, but have the major advantages of dramatically improved energy savings and long life.
- Last longer. *LED Lights* can last from 50,000 to 100,000 hours.
- The white *LED Lights* create clean attractive light similar to starlight.
- Flexibility, the lights can be used on trees, to profile buildings or provide lighting effects with flashing, pulsing or fading lights of any colour.

The Environment Shop supplies a range of systems from simple domestic sets for under $50 to large tree lighting systems costing thousands of dollars. Please note the larger tree systems are built to order. Prices are indicative only and would have to be confirmed with a quotation. The Environment Shop can also offer a full installation service of both the solar and LED light components.

Medium Tree LED Light Kit (No Solar)
This system consists of 5, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $450

Large Tree LED Light Kit (No Solar)
This system consists of 15, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $1,200

Medium Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 5, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $1,600

Large Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 15, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $2,500

Building LED Solar Light Kit
This system is specifically designed to be used in architectural applications. It could be used on a building to outline its shape, to provide a colourful display, to spell out a message or any other applications. It consists of a photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 50 metres of lights with cables. It can be used in any location. This price does not include installation. Smaller and larger kits are available.
approx $2,000

BROWN AND SON ELECTRICAL

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- safety switches on the power and lighting circuits.
- Installation and repair of exhaust fans.
- Installation of all types of Ceiling sweep fans / Fan Lights.
- New installation and repair of lighting, including New points, sensor lights, low voltage garden lighting, Floodlighting.
- Installation of Light fittings.
- New installation of Range or Wall Oven & Hotplate, Replacement of existing cooking equipment.
- Installation of heavy duty power for Air Conditioners
- Installation of new circuits to provide better power distribution, room for additional points etc.
- Replacement of switchboard to update with Circuit breakers, Safety switches etc.
- Surge protection to the home or Office

Contact Us

0415 556 247

Only fit Light fittings

8

CTM ELECTRICAL SERVICES

ELECTRICIANS SPECIALISING in large commercial factories, shops, restaurants, offices and schools etc...

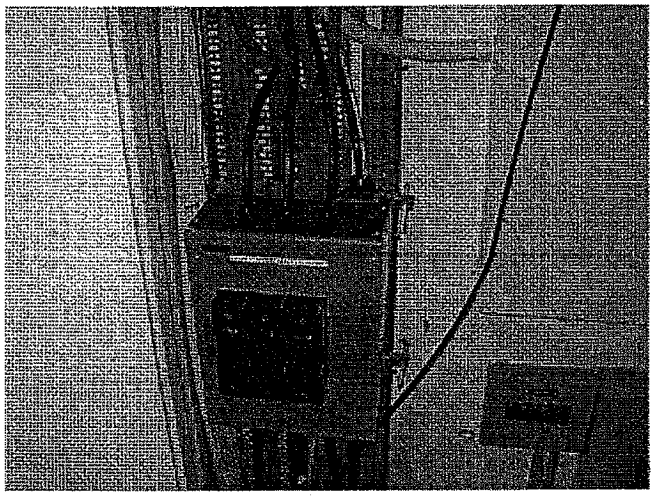
REC 16272
ABN 43 590 680 417

HOME ABOUT US QUOTE REQUEST CONTACT US

CTM Electrical Services has been built up around the industry with it's tradesmen fully licence and having a can do attitude.

CTM Electrical Services has over 20 years of combined experience through out Melbourne and outer suburbs ensuring our clients receive a top quality electrical service they come to expect.

Currently CTM Electrical Services are contracted for maintaining 30 shopping centre's, 10 Commercial factories along with exit and emergency systems, log books, testing and tagging systems for 20+ companies through out Melbourne's industrial areas.



Our services include (but not limited to):

- Rewiring of houses and commercial buildings
- Switchboard upgrades & safety switches
- All facets of electrical installation and maintenance
- Residential and Commercial Electrical Inspections across Melbourne
- Commercial electrical maintenance contracts
- School electrical maintenance contracts
- Industrial building's electrical installation
- 24hr emergency electrical services by prior arrangement

Call for a FREE quote
Ph: 0413 298 081

or fill in the online quotation form in the "Request a Quote" section of this website.

Home - About Us - Request a Quote - Contact Us - Links

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Website Designer and Hosting by Digital Exposure

only Install Electric Stations

7

OZ Party Hire Pty. Ltd.
Head Office: 56 Keon Parade Reservoir Vic. 3073
Ph: 9462 4322
Fax: 9462 6066
Email: info@ozpartyhire.com.au

Greensborough - 9434 2221
Doncaster - 9848 3225
Coburg - 9354 3611
Essendon - 9370 1817

...servicing all of Melbourne metropolitan and Victoria.

"Quality event equipment,
on time and at competitive rates..."

We support:

REGISTERED Building Practitioner

Home - About - Price - Products - Gallery - Suppliers - Employment - Contact Us

Buy from Imports

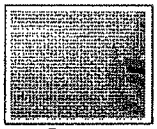
6

Welcome to Five Kings

Grab a Coffee, relax and start researching for your new furniture, curtains & blinds, lighting, kitchen revamp, bathroom upgrade, carpets, tiles and timber floors in Melbourne. Find a bargain, find that piece, or simply let your mind go wild with all the designs and colours on offer

When you have clicked into a site and found what you want just make a call or drop in to a local store. If your renovating an existing home or building a new home or simply refurbishing this is the place to start and finish. And remember, Relax it's all here in one place, links

Furniture chaise | Lighting room | Carpets and Rugs



Blinds and curtains | Timber floor retreat | Tile lounge

Bathroom spa | Kitchen rendezvous | Cinema space

Art and Picture framing | Interior design and Feng Shui | Pool and Spa Landscaping

Home | Furniture chaise | Lighting room | Tile lounge
Bathroom spa | Timber floor retreat | Carpet café | Blinds and curtains swarae Kitchen rendezvous | Cinema space | Art and Picture Framing | Interior design and Feng Shui | Pool and Spa Landscaping | About Us | Contact Us

Web Design Melbourne by Tyranny

Buy from Importers

s47F

5

From: s47F
Sent: Wednesday, 1 April 2009 12:04
To: TARCON
Subject: FW:

Attachments: 20090401105522461.pdf

20090401105522461.pdf (2 MB)

Good morning all
Please find attached tco application for spotlights wall and ceiling on behalf of mercator lighting Thanking you s47F

s47F

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

-----Original Message-----
From: s47F
Sent: Wednesday, 1 April 2009 11:55 AM
To: s47F
Subject:

This E-mail was sent from "RNPC25519" (MP 3500/LD335).

Scan Date: 01.04.2009 10:55:22 (+1000)
Queries to: s47F

If this form was completed by a business with fewer than 20 employees, please provide an estimate of the time taken to complete this form.

Hours [ ] Minutes [ ]

APPLICATION FOR A TARIFF CONCESSION ORDER (TCO)

The form should be read carefully before being completed

(a) Before lodging an application for a TCO, the applicant should determine whether a suitable TCO already exists. Information on existing TCOs is contained in the schedule of Concessional Instruments *(SCI)*, a copy of which is available at each Regional Office of Customs. A TCO can be used by any importer.

(b) An application will be date stamped on the day it is first received in Canberra by an officer of Customs. Receipt of an application will be acknowledged. Any resultant TCO will operate from the date of receipt. Instructions on how to lodge this form are provided at the end of this form.

(c) Where an application is accepted as being a valid application, the identity of the applicant and of the importer for whom the applicant is acting will be published in the *Gazette*.

(d) Section 269F of the *Customs Act 1901* requires that a TCO application to be in writing, be in an "approved form", contain such information as the form requires, and be signed in the manner indicated in the form. **This is the approved form for the purposes of that section.**

(e) Section 269FA of the *Customs Act 1901* states "It is the responsibility of an applicant for a TCO to establish, to the satisfaction of the Chief Executive Officer (CEO), that, on the basis of:
(i) all information that the applicant has, or can reasonably be expected to have; and
(ii) all inquiries that the applicant has made, or can reasonably be expected to make;
there are reasonable grounds for asserting that the application meets the core criteria". The application is taken to meet the core criteria if, on the day of lodgement of the application, no substitutable goods were produced in Australia in the ordinary course of business.

(f) **Every question on the form must be answered.** Failure to supply the information required by this form will result in rejection of the application (and in the loss of operative date).

(g) Where the form provides insufficient space to answer a question, an answer may be provided in an attachment. The attachment should clearly identify the question to which it relates.

(h) All information about inquiries into the production of substitutable goods must relate to the date the application is lodged with Customs.

(i) Customs may require an applicant to substantiate, with documentary evidence, any information provided in the application form.

(j) Further information on the Tariff Concession System is available in Part XVA of the *Customs Act 1901*, in the foreword to the Schedule of Concessional Instruments, in the administrative guidelines in Volume 13 of the Australian Customs Service Manual, in Australian Customs Notice No. 98/19, on the internet at www.customs.gov.au, by e-mailing information@customs.gov.au or by phoning the Customs Information Centre 1300 363 263.

APPLICANT DETAILS *(An agent/broker should provide details on the next page)*

Applicant's Name	Australian Business Number (A.B.N.)
Mercator Lighting	23005946958
Postal Address	
P.O. Box 66 Dallas. Victoria. 3047	
Applicant's Reference	**Owner Code** *(if applicable)*
Mercator	23005946958
Company Contact s47F	**Position Held** s47F
Telephone Number s47F	**Facsimile Number** 0393026262 / **E-mail Address**

If you do not intend to use the TCO to import into Australia the goods the subject of the application, you must provide, in the section below, the identity of the Importer for whom you are acting (refer to paragraph 269F(3)(c) of the *Customs Act 1901*).

IMPORTER DETAILS

Importer's Name (If same as applicant, write "as above")	A.B.N.
AS Above	
Postal Address	
Importer's Reference	**Owner Code**
Company Contact	**Position Held**
Telephone Number	**Facsimile Number**

AGENT/BROKER DETAILS *(if applicable)*

Agent's Name	A.B.N.
Consolidated Cargo & Customs	48758123229
Postal Address	
P.O. Box 223, Footscray, Victoria, 3011	
Agent's Reference	**Agency Contact**
Mercator	s47F
Telephone Number	**Facsimile Number**	**E-mail Address**
s47F	0393262600	s47F

DESCRIPTION OF GOODS

(a) The description of the goods in the application will be used as the description of the goods in the TCO (if made).

(b) The application should provide a full description of the goods, including the physical features of the goods or the various components of the goods. It should not describe the goods in terms of what they do.

(c) In accordance with section 269SJ of the *Customs Act 1901*, the CEO must **not** make a TCO in respect of goods:
- (i) described in terms other than in generic terms; or
- (ii) described in terms of their intended end use; or
- (iii) declared by the regulations to be goods to which a TCO should not be extended.

Goods will be taken to be described in terms other than in generic terms if, for example, their description, either directly or by implication, indicates that they are goods of a particular brand or model, or that a particular part number applies to the goods.

(d) Guidance on the drafting of the description of goods is contained in Volume 13 of the ACS Manual and in Australian Customs Notice No. 98/19.

1 Describe the goods

Spotlights Wall and Ceiling, Non-Ceramic

With or Without

a) Shade

b) Globe.

ILLUSTRATIVE MATERIAL

2 Attach technical, illustrative descriptive material and/or a sample to enable a full and accurate identification of the goods the subject of the application.

TARIFF CLASSIFICATION

3 Identify the tariff classification (to 8 figure subheading level) 9405400 0

Identify the General Duty rate 05 %

If a Tariff Advice for the goods has been sought or obtained, please provide the TA No.

☐☐☐☐☐☐☐☐ **or attach a copy.**

USES OF THE IMPORTED GOODS

4 Describe ALL uses (including design uses) to which the goods can be put.

Lighting up Specific Area

SUBSTITUTABILITY OF LOCALLY PRODUCED GOODS

(a) A local manufacturer's goods are substitutable when they are put, or are capable of being put, to a use that corresponds with a use (including a design use) to which the goods the subject of the application can be put (subsection 269B(1) of the *Customs Act 1901*). Even if not identical, locally made goods may be substitutable.

(b) In determining whether the uses of Australian produced goods correspond with the uses of the goods the subject of the application, the ability of the goods to compete with each other in any market is not relevant.

(c) The applicant must provide written information as to the inquiries made to establish that there are reasonable grounds for believing that there are no producers of substitutable goods in Australia. The application must include a copy of the research material sourced and a copy of correspondence to, and replies from, potential local manufacturers or relevant industry associations. The application will be rejected if it fails to provide all written information as to the inquiries made.

NOTE: The Australian Customs Service suggests that potential local manufacturers should be given at least 10 working days to respond to inquiries concerning local manufacture.

5 **Provide details of the nature of ALL inquiries you have undertaken in order to establish that substitutable goods are not produced in Australia, and the results of those inquiries. Attach copies of all correspondence or directory searches, etc.**

NO Australian Producer Found.

6 **Provide any additional information in support of discharging your responsibility to establish that there are reasonable grounds for asserting that there are no substitutable goods produced in Australia in the ordinary course of business.**

Internet Sites attached

PRESCRIBED ORGANISATIONS

7 **Have you made inquiries of a prescribed organisation to obtain advice about whether there are producers in Australia of substitutable goods?**

☐ YES ☒ NO **If YES, attach a copy of the advice received.**

Note that under subsection 269M(6) of the *Customs Act 1901*, the CEO may, despite section 16 of the *Customs Administration Act 1985*, give a copy of all, or of a part, of the application to a prescribed organisation.

ADDITIONAL INFORMATION

8 **Provide any additional information in support of your application.**

DECLARATION

I, s47F Position Held s47F

Company (if applicable) Consolidated Cargo & Customs Services

declare that:

1 **To the best of my knowledge and belief the information contained in this form is correct; and**

2 **I have the authority to act on behalf of the company/applicant; and**

3 **I agree, in submitting this form by electronic means (including facsimile) that, for the purposes of Sub-Section 14(3) of the Electronic Transactions Act, this application will be taken to have been lodged when it is first received by an officer of Customs, or if by e-mail, when it is first accessed by an officer of Customs, as specified in Sub-Section 269F(4) of the Customs Act.**

Signature of Applicant/Agent/Broker s47F Date 1-4-09

NOTE: ***SECTION 234 OF THE CUSTOMS ACT 1901 PROVIDES THAT IT IS AN OFFENCE TO MAKE A STATEMENT TO AN OFFICER THAT IS FALSE OR MISLEADING IN A MATERIAL PARTICULAR.***

WHEN THIS FORM HAS BEEN COMPLETED LODGE IT WITH CUSTOMS BY:

- posting it by prepaid post to the
  National Manager, Tariff Branch
  Australian Customs Service
  Customs House
  5 Constitution Avenue
  CANBERRA ACT 2601

  or
- delivering it to the ACT Regional Office located at
  Customs House, Canberra

  or
- sending it by facsimile to (02) 6275 6376

  or
- e-mailing it to tarcon@customs.gov.au.

s47F

09/10660 Email 24

From: s47F
Sent: Wednesday, 1 April 2009 13:14
To: s47F
Subject: RE: 4 TCO Applications [SEC=UNCLASSIFIED]

Security Classification: UNCLASSIFIED

Hello s47F

We have received your 4 TCO Applications on behalf of Mercator Lighting

The receipt date is the 1st of April 2009

Acknowledgement will be forwarded via the post at a later date

Regards

s47F

Senior Customs Officer

Tariff Concessions Section

Trade Services Branch

Australian Customs and Border Protection Service

Canberra ACT

Ph s47F Fax 02 6275 6376

-----Original Message-----
From: s47F
Sent: Wednesday, 1 April 2009 12:07
To: s47F
Subject: FW:

Consolidated Cargo & Customs Pty/Ltd
Suite 101, 416 Mt.Alexander Road
Ascot Vale, Victoria 3032

webb-site: www.concargo.com.au
e-mail: s47F
ph: s47F
fax: 03 9326-2600

-----Original Message-----
From: s47F
Sent: Wednesday, 1 April 2009 12:06 PM
To: 'tarcon@customs.gov.au'
Subject: FW:

Good morning all
Please find attached tco application for ceiling light fixtures on behalf of mercator lighting Thanking you s47F

s47F

23

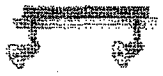
Products

Pendants
Spotlights
Table and Floor
Bases & Shades
Eco-lite Energy Smart Lighting
Wall Fixtures
Ceiling Fixtures
DIY
Outdoor
Ceiling Fans
Ceiling Fan Remotes
Ceiling Fan Lights

SPOTLIGHTS

AERO A95031

Show family



AERO A95032

Show family

AERO A95033

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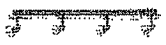

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GEMINI 30833

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GEMINI 30841

Show family

GEMINI 30842

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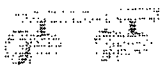

GEMINI 30843

Show family

12 3 4 5 > >

results 1 - 8 of 42

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22

Products

- Pendants
- **Spotlights**
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

SPOTLIGHTS

GEMINI 30844

Show family

GEMINI 30845

Show family

GEMINI 30846

Show family

KRYPTON A12531

Show family

KRYPTON A12532

Show family

KRYPTON A12533

Show family

KRYPTON A12541

Show family

KRYPTON A12563

Show family

|< < 1 23 4 5 > >|

results 9 - 16 of 42

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21

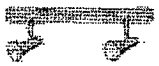
Products

- Pendants
- **Spotlights**
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

SPOTLIGHTS

LEO A94031

Show family



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Show family

LEO A94033

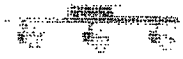
Show family

PRESTO A29031

Show family

PRESTO A29032

Show family



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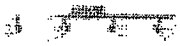

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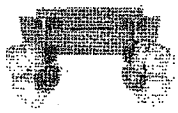

PRESTO A29064

Show family

1 2 34 5

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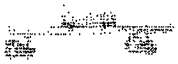
20

Products

Pendants
Spotlights
Table and Floor
Bases & Shades
Eco-lite Energy Smart Lighting
Wall Fixtures
Ceiling Fixtures
DIY
Outdoor
Ceiling Fans
Ceiling Fan Remotes
Ceiling Fan Lights

SPOTLIGHTS

PRONTO A15031
Show family



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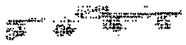
Show family

PRONTO A15033
Show family



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PRONTO A15064
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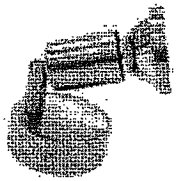
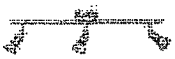


RIPPER A14731
Show family

RIPPER A14732
Show family



RIPPER A14733
Show family

2 3 45 6

results 25 - 32 of 42

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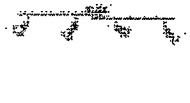
19

Products

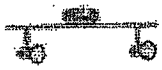
- Pendants
- **Spotlights**
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

SPOTLIGHTS



RIPPER A14734
Show family

SABINA A12931
Show family



SABINA A12932
Show family

SABINA A12933
Show family

SABINA A12934
Show family

SPARKY B71342
Show family

ZEN A79031
Show family

ZEN A79032
Show family

|< < 2 3 4 56 > >|

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18

Home | Products | What's new | Promotions | Mercator Care | Find a store | Search

home>Products>Spotlights

Products

- Pendants
- **Spotlights**
- Table and Floor
- Bases & Shades
- Eco-lite Energy Smart Lighting
- Wall Fixtures
- Ceiling Fixtures
- DIY
- Outdoor
- Ceiling Fans
- Ceiling Fan Remotes
- Ceiling Fan Lights

SPOTLIGHTS

ZEN A79033

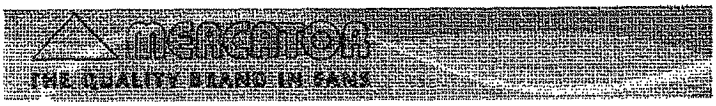
Show family

ZEN A79064

Show family

2 3 4 5 6

results 41 - 42 of 42



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17

Google light fittings Search Advanced Search Preferences

Web Results 1 - 10 of about 110,000,000 for light fittings. (0.26 seconds)

Wholesale Priced Lighting Sponsored Link
www.mattblatt.com.au We Have Pendant, Floor, Table Lamps and More. Buy Online or In-store.

Light fittings and lightbulbs — Easylighting.co.uk
Light fittings and lightbulbs from Easy Lighting, UK supplier of great **light fittings** of all sorts.
www.easy**light**ing.co.uk/ - 28k - Cached - Similar pages

Light Fittings - Efficient **Light**
Light Fittings,A wide range of **light fittings** that will accept energy saving lamps.,A wide range of **light fittings** that will accept energy saving lamps.
www.efficient**light**.co.uk/store/pc/viewcategories.asp?idCategory=10 - 40k - Cached - Similar pages

Welcome to Lyco Direct - 1000s of **Light** Bulbs & **Fittings** - Energy ...
Lyco - Your single source for money-saving lighting solutions and all the health, safety and workplace maintenance products you could ever need - all ...
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[PDF] Asbestos Essentials a5: Cleaning **light fittings** attached to ...
File Format: PDF/Adobe Acrobat - View as HTML
contaminated **light fitting** attached to AIB, eg to change a bulb or tube. .... Cleaning **light fittings** attached to asbestos insulating board (AIB) ...
www.hse.gov.uk/pubns/guidance/a5.pdf - Similar pages

Luxury Lighting & Electrical Supplies
Place trendy types of **Light Fittings** inside the living areas and majestic ... With a comprehensive selection of luscious **Light Fittings** any room in the ...
www.luxury**light**ing.co.uk/ - 67k - Cached - Similar pages

Interior **Light Fittings**
The best source of information for Interior **Light Fittings** products and services.
www.infolink.com.au/t/Interior-**Light-Fittings** - 73k - Cached - Similar pages

LIDOKOV - Interior **Light Fittings**, Switchboard Locks | Products ...
The company LIDOKOV is a manufacturer of interior **light fittings** which are exported all over the world. The **light fittings** are divided into ceiling,desk, ...
www.czechtradeoffices.com/en/sweden/products-services/lidokov-interior-**light-fittings**-switchboard-locks/ - 16k - Cached - Similar pages

Light Fittings Lighting Fixtures Bangalore - Buy **light fittings** ...
Light up your home in style, for buying **light fittings**, lighting fixtures in Bangalore always come to Adithya Lamps, a leading **light** décor showroom at the ...

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Install & Repair all **Light Fittings**
Call for a Quote 0415 556 247
brownelectric.yodelaustralia.com.au

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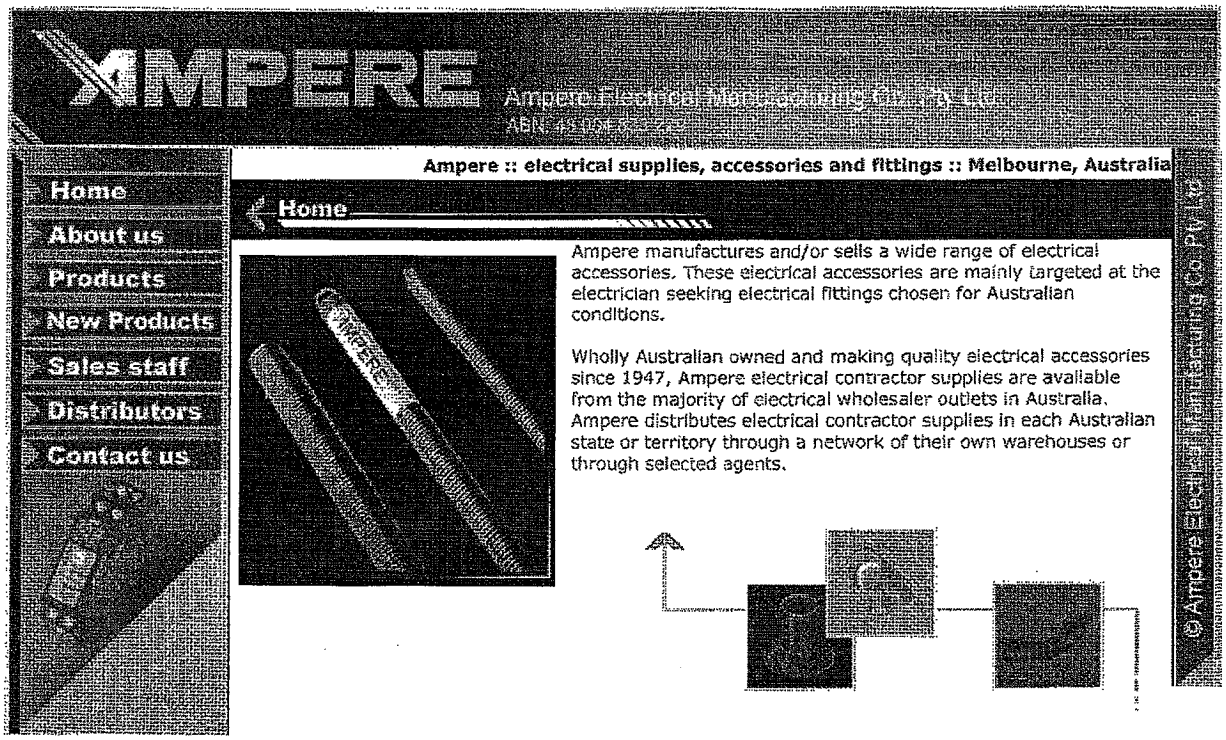
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Wholly Australian owned and making quality electrical accessories since 1947, Ampere electrical contractor supplies are available from the majority of electrical wholesaler outlets in Australia. Ampere distributes electrical contractor supplies in each Australian state or territory through a network of their own warehouses or through selected agents.

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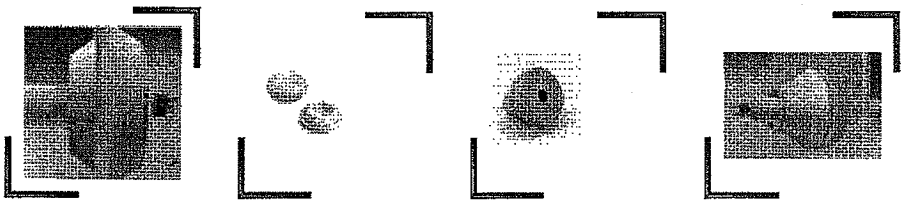

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The electrical accessory & fittings range includes:

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Safety equipment including safety spectacles.

In addition to the range of electrical products for the electrical contractor Ampere have a range of products designed to supply Original Equipment Manufacturers especially lighting manufacturers. Lighting equipment manufactures or other OEM's are invited to contact either the Ampere HO or the rep in their area for further information about electrical accessories designed specifically for their industries.

Electricians when calling at their wholesalers should specify Ampere electrical contractor supplies for great value products made/distributed by a wholly owned Australian company with a reputation for quality and value.

Our range of electrical accessories is constantly being upgraded and expanded. We attempt to upgrade this website every 3 to 4 months with releases of new electrical contractor supplies being shown on a separate "New Product" page. Click here to go to our New Products page & to view our Featured

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Products.

Copies of Australian Approvals for electrical accessories requiring them are available from Ampere Head Office on request.

So remember when you want value electrical accessories always specify Ampere.

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Energy Efficient Lighting

At **The Environment Shop**, we specialise in *Energy Efficient Lighting*. We stock a wide range of lamps and fittings for home, garden, office and retail and can source almost anything you can imagine. We have energy efficient alternatives for standard light globes, halogen downlights, outdoor lighting, garden lighting, older fluoro lamps and fittings including ballasts, industrial and factory lighting including mercury vapour alternatives, office lighting, display lighting and other specialist and detailed lighting challenges.

Our knowledgable staff can advise you on the options available to replace your current inefficient lighting, or help you with a lighting plan for your new home, extension or renovation, ensuring you the lowest running costs and lighting that is beautiful as well as practical.

Lighting Design

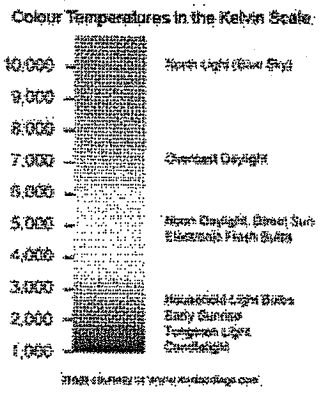
We offer a lighting design service for new buildings and renovations. Call us to organise an appointment, then bring in your house plans and ideas and we will talk through them and come up with a lighting solution that is practical, beautiful and most importantly, efficient. Shortly after the meeting we will email you a formal copy of the lighting plan. Typical pricing for a family home is $250, which also entitles you to a discount on light fittings bought through us.

Lighting Efficiency

The amount of energy used by lighting in Australian households is increasing, mainly due to larger house sizes and the proliferation of halogen downlights. It is possible to decrease the amount of energy used by your lights by up to 80% without affecting your light levels or quality. In fact many energy efficient lights provide better light coverage and quality than traditional lights.

Energy efficient lighting does not mean lower quality or less options. In fact, with modern technology such as LEDs, CFLs, micro fluoros such as the Megaman range and cold cathode fluorescent lamps, it is possible to light your home, garage, driveway, garden, shack, factory or shop in ways that we could only dream about in the past. Their low power consumption, lower operating temperatures, long operating life and versatile size and packaging means you can fit energy efficient lamps just about anywhere you need light, for practical purposes or for decoration. Low energy consumption also means it is much more viable to power lighting from renewable sources such as solar electricity, especially in areas that have no power available, such as sheds, gardens and remote areas.

FIRSTLY, SOME IMPORTANT DEFINITIONS



Watts – the wattage of a lamp indicates the rate at which it consumes electricity. A 12V lamp does not necessarily use less power than a 240V lamp, you have to compare the watts. E.g. a standard 12 Volt halogen lamp is 50 Watts, four of these in a room equals 200 Watts, not including losses in the transformers.

Lumens – are a measure of the luminous flux, basically the amount of light output by a lamp. You can directly compare the brightness of different types of lamps by comparing their output in lumens and you can get a good idea of the efficiency of a lamp by looking at the lumens/watt.

Colour Temperature – is an indicator of the colour of the white light emitted by a lamp. Incandescent lamps are usually very warm, with a slight yellow/orange tint to the light. Older style fluorescent lamps tended to be very cool with a bluish tinge that is very practical to work by not very flattering. Modern cool white fluoros are a nicer shade and are excellent for detailed work and high visibility. Modern fluoro lamps come in a range of colour temperatures. Warm white is best for living areas, cool white is best for work areas such as kitchens. Colour temperature is measured in Degrees Kelvin. Warm white is typically 3500k or less, cool white is 4000k-6500k and daylight is 6500k+

TYPES OF LAMPS AND THEIR ALTERNATIVES

INCANDESCENT LAMPS

Incandescent lamps or bulbs are the most commonly used type of lighting. They include the standard everyday light bulbs and halogen downlights. They are typically inexpensive to buy but their lifetime running costs are high.

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An incandescent lamp works by running electricity through a piece of wire known as the filament until it heats up enough to emit light, literally glowing white hot. This means that a lot of the energy used is lost as heat rather than light, which is both inefficient and dangerous, with halogen downlights responsible for many house fires.

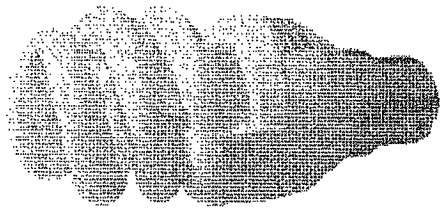
Standard light bulbs typically only last about a thousand hours and must be regularly replaced, which can be very costly, dangerous or just outright annoying in difficult situations such as high ceilings.

Incandescent lamps are most suitable for areas where lighting is used infrequently and for short periods, such as laundries and toilets and also harsh environments such as inside fridges and ovens. Even though they are inefficient users of energy, incandescent lamps can still be the most suitable choice for certain situations.

COMPACT FLUORESCENT LAMPS

The best alternative to the standard lightbulb in most situations is the compact fluorescent lamp, or CFL. First invented during the oil crisis of the 1970s, they have become commonly available in the last few years and provide very good quality light with up to 80% less energy use than an equivalent incandescent light bulb.

Most of our Compact Fluoro Lamps use spiral tubes, which provide a better distribution of light and are more compact and better looking than the more common linear tube lamps.



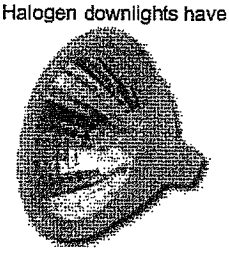
CFLs work by creating an arc that causes a phosphor on the inside of the tube to glow. There is some circuitry inside the base that controls the arc and stops the lamp flickering at switch on like in older fluoro lamps.

The main issue with compact fluorescents is the large amount of energy and materials that goes into manufacturing a lamp compared to an incandescent. This is known as embodied energy. The much longer typical lifetime of a CFL means that the greater embodied energy is more than made up for by the energy saved during use. The problem appears when the lamp doesnt last as long as it should.

The answer to this is to buy a good quality CFL and make sure it is used appropriately. CFLs dont like electronic switches such as sensor lights and most are not compatible with dimmers. We have high quality Dimmable CFLs available.

HALOGEN LAMPS

Halogen downlights have become very popular over recent years. They are usually low voltage systems, which many people have interpreted as low power. This is not true.



Because of the directional nature of the halogen downlights, more fittings are needed to light up a room compared to traditional light globe batten fittings. Typical downlights use a 50watt lamp and a transformer that can use as much as 10-15 watts more, for a total of up to 65 watts per fitting. With 6 fittings per room, this can add up to 390 watts. The same amount of light can be provided by two 20 watt CFL lamps in batten fittings. Count the number of halogen downlights in your house and add up the watts!

Halogens are also a fire hazard. The filaments in halogen lamps rise to about 2500°C and the bulb wall is about 500°C. We have measured the external temperature of our display halogen lamps at over 200°C in open air. The temperature at which paper will ignite without a spark or flame is around 230°C. This means that if insulation is pushed against the lamp fitting or rodents drag nesting materials around in your roof a fire can very easily occur.

We highly recommend products such as the Isolite downlight cover and the TENMAT Fire-rated downlight covers to protect your downlights. These products will also make your home more efficient by stopping the thermal chimney effect, caused by the hot air being drawn through the lamp fitting and into the roof space.

If you are renovating or designing a new home we highly recommend you do not install downlights, there are better ways of lighting a room. However, many people already have many downlight fittings in their home, or simply prefer the appearance.

We offer several efficient downlight alternatives.

HIGH EFFICIENCY AND LOW WATTAGE HALOGEN LAMPS

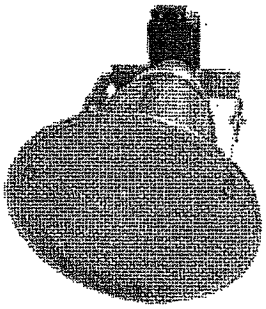
The simplest alternative is to replace your existing halogen lamps with

the more efficient IRC lamps. They are identical to standard halogens, except that the bulb has an Infra Red Coating which reflects some of the heat back into the filament.
As a result a 35 watt lamp can produce as much light as a 50 watt lamp. Lamp life is also extended to 4,000 hours. These lamps will save up to 30% of energy compared to a standard halogen.

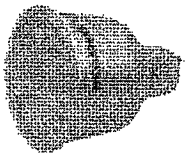
It is also worth considering replacing some of your lamps with a lower wattage where light levels are too high. E.g. Replace a 50w standard halogen with a 20w IRC halogen.
This option is ideal for renters and others who cant afford or may not want to change their light fittings. However, the fire hazard still remains and much greater energy savings can be made with other options.

CFL DOWNLIGHT FITTINGS

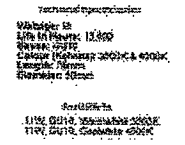
The best alternative we have found for replacing standard 50W halogen downlights is a 15W Compact Fluoro lamp in a fitting specially designed for CFLs. Dont try putting CFLs into fittings designed for incandescent lamps, the reflector needs to be different to efficiently get the light out. We have a range of downlight fittings designed specifically for CFLs available in different sizes, shapes and finishes. You can see them here.



MICRO FLUOROS



Micro Fluoro Lamps use the same technology as Compact Fluoro Lamps but in a smaller package, designed to fit into a standard downlight lampholder. Most use the 240V GU10 two pin fitting the same as 240V halogen lamps. This means that you can directly replace any 240V halogens you have, but you will have to remove the transformer and add a GU10 adaptor to your existing fittings if you are replacing 12v halogens. As this is fixed wiring it requires a licensed electrician, but it is a simple job and shouldnt take them long.



The compact size means that the maximum wattage we have available at the moment is 11w, roughly equivalent to a 50w halogen. However the light quality is a little different. Halogen downlights tend to throw a very directed beam of light that is tightly focussed in the centre, while fluoro lamps tend to spread the light very evenly across a wide angle. An 11w micro fluoro lamp emits the same amount of light as a 50w halogen, however the light is spread more evenly and there are no bright spots to grab the eyes attention. This means that we perceive the light levels as being slightly lower than with halogens. If you want the same perceived light levels, you will need to install additional light fittings.

LEDs

LEDsor Light Emitting Diodes are semiconductor devices which emit light. They can potentially have a very long life (100,000 hours), offer reasonably high efficiencies and are compact, very rugged and highly controllable for both colour and brightness.

Currently, LEDs tend to be very focussed light sources and there are limitations on the power output levels, so they are not very practical for room lighting. (Yet!) However, they are ideal for display and task lighting, where the object to be lit is close to the light source. They make excellent workbench lamps in a kitchen or workshop and are ideal for lighting up works of art.

The range of fittings, colours and brightness levels available mean that LEDs have amazing potential for decorative lighting, whether in your garden, in a shop, around the house, for art or on your christmas tree.
Technology is moving very rapidly in this area, so it is hard for us to keep the website up to date. Please call or email us if you are interested in using LEDs, we can source a very wide range and always have several types in stock and on display.

SOLAR BUD LIGHTING

Recent technological advances have made it possible to use *Solar Powered LED* (Light Emitting Diodes) lights for exterior decorative lighting. The result is much lower power consumption, longer life and when powered with solar panels, zero green house gas emissions. The use of solar power also means total flexibility in locating the lights, as no 240-volt power is required.

Solar Bud Lighting (Solar Fairy Lights/Solar Christmas Lights) can add magical sparkle to trees and buildings in public places. However of all the forms of public lighting it is by far the most energy inefficient. Those little glowing bulbs are designed for long life rather than efficiency. They are very wasteful, producing much more heat than light. In fact, conventional bud lighting produces 2 or 3 lumens per watt compared to about 15 lumens per watt for standard incandescent lamps.

Advantages

10

- Uses less energy. Can be as low as 5% of conventional bud lighting.
- No greenhouse gas emissions when run by solar power.
- Light can go anywhere. No 240 Volt power is required, so the light can go in the middle of parks, on buildings, anywhere.
- These *LED lights* can still be used where 240 Volt power is available, but have the major advantages of dramatically improved energy savings and long life.
- Last longer. *LED Lights* can last from 50,000 to 100,000 hours.
- The white *LED Lights* create clean attractive light similar to starlight.
- Flexibility, the lights can be used on trees, to profile buildings or provide lighting effects with flashing, pulsing or fading lights of any colour.

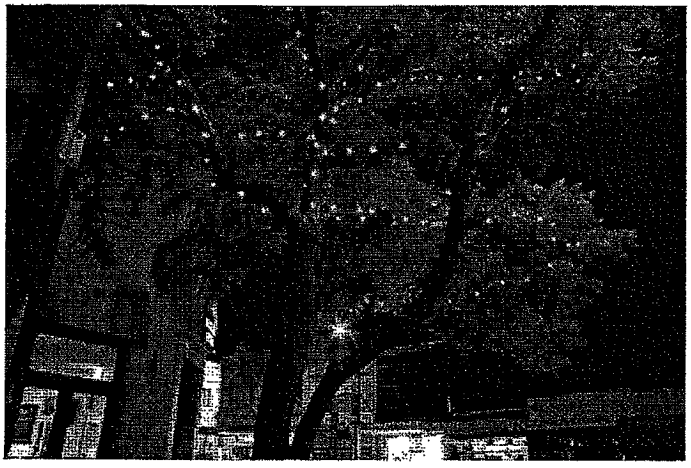
The Environment Shop supplies a range of systems from simple domestic sets for under $50 to large tree lighting systems costing thousands of dollars. Please note the larger tree systems are built to order. Prices are indicative only and would have to be confirmed with a quotation. The Environment Shop can also offer a full installation service of both the solar and LED light components.

Medium Tree LED Light Kit (No Solar)
This system consists of 5, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $450

Large Tree LED Light Kit (No Solar)
This system consists of 15, 5 metre strings of lights with a controller and cables. It can be used as an energy saving alternative when 240 volts is available. This price does not include installation.
approx $1,200

Medium Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 5, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $1,600

Large Tree LED Solar Light Kit
This system consists of photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 15, 5 metre strings of lights with cables. It can be used in any location. This price does not include installation.
approx $2,500



Building LED Solar Light Kit
This system is specifically designed to be used in architectural applications. It could be used on a building to outline its shape, to provide a colourful display, to spell out a message or any other applications. It consists of a photovoltaic solar panel, battery pack, controller, lighting regulator, weatherproof box, distribution box and 50 metres of lights with cables. It can be used in any location. This price does not include installation. Smaller and larger kits are available.
approx $2,000

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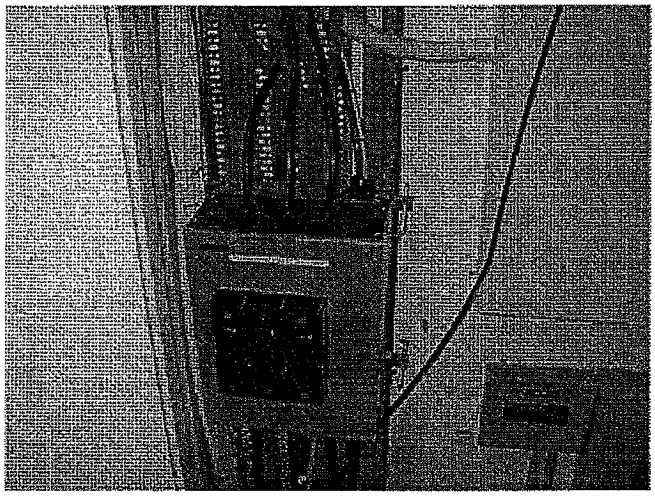

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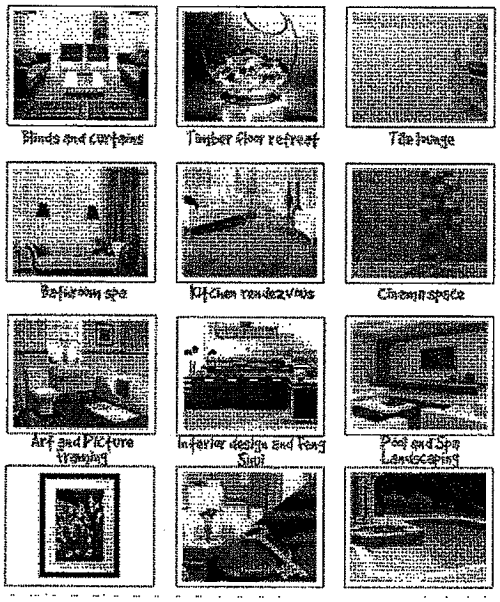

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